

JAMECO[®]

ELECTRONICS

1-800-831-4242

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Catalog 291 February 2009

The Fastest Source



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INTERCONNECTS

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POWER





THE MESSAGE BOARD

Jameco Redefines Its "Low-Price" Leader Status

Jameco has long claimed its leadership as the industry's electronic components low-price leader. We put an enormous effort into analyzing what our competitors charge and ensuring that we price all the products we sell below our competition. We've also given our sales team the tools they need to never lose a sale because of price. And for customers who have found a better published price, our rock solid guarantee says we'll beat that price all the way down to our cost. But as they say in those TV infomercials, "Wait, there's more!"

New Lower Pricing

Customers have always responded to lower pricing, so we've decided to further reduce our prices. We've slashed prices on over 80,000 products resulting in prices that are **10% to 40%** lower and more. We hope you'll see that it makes even more sense now to reach for Jameco first.

More Pricing Options

But wait, there's more! Jameco has taken the low-price strategy a step further by expanding its product line of house brands and factory-overrun products. This catalog is packed with all the popular brand names you expect.

Brand name products are color coded as **blue** for franchise-sourced and **purple** for franchise manufacturers. If brand name isn't critical, we can save you even more money with generics (typically 20% below equivalent brands) color coded in **white** and Jameco house brands highlighted in **yellow**. Finally you'll want to check out great buys on factory-overrun products, color coded in **green**, for the deepest discount (30%-50% below brand names).



The Ultimate Guarantee

Last, but not least, Jameco fully backs every product we sell. Not happy? Return your order for any reason during the first 30 days and we'll take it back with a smile. We warrant all products we sell against defects for the first 90 days and are happy to warrant Jameco's house brands for one full year. See page 161 for complete details.

If you haven't checked out the catalog and the website lately, I think you're in for a big surprise.

Bob Croshaw
President & CEO

THE SPEED MONITOR

Take the Searching out of Surfing

Jameco is proud to feature the industry's first web-enabled catalog. Stated simply, we think you are holding the highest quality catalog in the industry. Its sleek size allows you to quickly find what you are looking for without the heavy lifting of other catalogs. Jameco's new web codes, listed throughout the catalog, allow you to quickly jump from the catalog to the web without having to search or sift through 100,000 products. Check it out for yourself at www.Jameco.com/More, and be sure to let us know what you think...



Web Codes Make it Easy

A/D & D/A Converters					* Web Code: GAD		
Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277531	MAX	MAX110BCPE	DP-16	A/D, 14-bit, 50k, 50k, 2-ch	\$18.95	\$8.95	\$7.85
781348	TI	TLCS4010M	DP-8	A/D, 8-bit w/ serial control	2.25	1.67	1.81
18145	+	ADC0804LCN	DP-20	A/D, 8-bit, 50k, 50k, 1-ch	4.29	3.88	2.74
18152	+	ADC0804LCN	DP-20	A/D, 8-bit, 50k, 50k, 1-ch	2.89	1.84	1.48

* Analog Switches Available Online — Enter Web Code: **VBN**

Step 1... Use the newly expanded index in the back of the book to quickly find the right catalog page.

Step 2... Review the catalog to get a category overview and detailed information on the most popular products we sell.

Step 3... Go to www.Jameco.com/More and enter the specific web code you are interested in. Quickly jump to the right place on the site where you'll see:

- 16X More products
- More parametric data
- More photos
- The latest pricing & availability information

Jameco has everything you need, without the heavy lifting.

Jameco Puts New Power in its Web Site

If you haven't checked out Jameco.com lately, it's time to visit us again. We've put months of effort into powering our site to include more data, more photos, and new ways to search. Searching is as easy as browsing the catalog. The new site has been enhanced to allow you to search by parametric data, part number and keyword options. Jameco's unique "tiered search" is designed to ensure accuracy by allowing you to methodically narrow your search using the specific criteria that are most important to you.

Find Products Easy

1. Category drill down
2. Manufacturer & SKU search
3. Keyword search

Sizzling Search Power with Filters and Calculated Tables...

Tiered Search to get the right results...

Your search invariably will lead you to our mid-level page which organizes your search results by product category. There you can narrow your search to the product sub-class you are interested in as well as use the parametric filters located in the left side bar.

Product Tables are the big pay off...

Product tables calculate how many SKUs meet your search criteria and allow you to browse or continue to filter deeper, getting precise results before ultimately letting you select an individual product.

Just in case you're stumped, every page includes a tab for Search Help. Here you can learn everything about searching on Jameco.com. Still confused? Call us, we always want to hear what you have to say. If you get a moment, drop us a note at Feedback@Jameco.com and let us know what you think. We read and respond to all our mail and are constantly making updates based upon your input.

THE PREVIEW CORNER

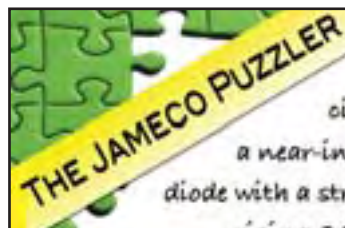
What's Headed Your Way

As you flip through the catalog be sure to keep an eye out for what's new. We've included hundreds of new products (listed with **pink** Jameco part numbers) including new power products from Mean Well located on pages 96-115, Yageo resistors on pages 35 & 37, Lite-On LEDs and displays on pages 20-27 and an expanded listing of fans on pages 90-95.

To make finding products easier we've bulked up our index and have continued to redesign our presentation to make it easier for you to compare like products from different brands and pricing options.

Last but not least...

We've also added a fun new feature to the Jameco catalog. Turn to page 158 and challenge yourself with the Jameco Puzzler. Industry guru Forrest Mims has created a real puzzler that may stump even the smartest Jameco customer.



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Prices are effective 1-5-09. Prices and discounts are subject to change without notice.

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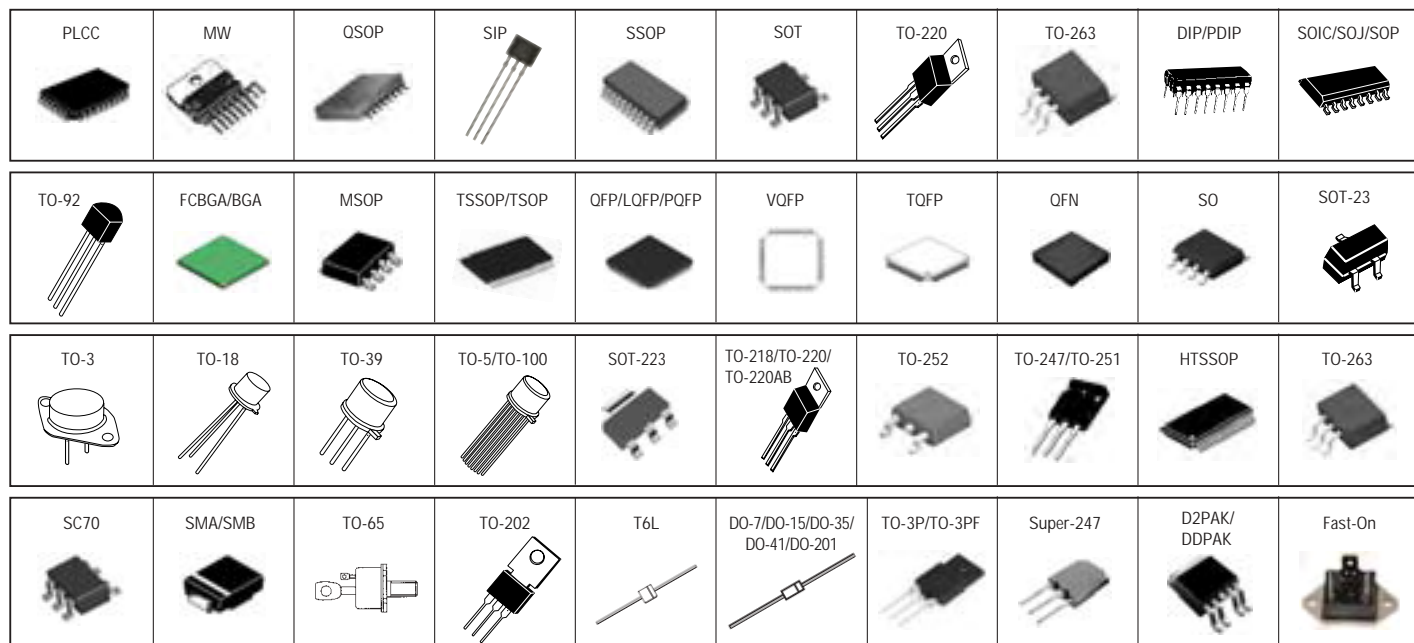


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Please refer to datasheets at www.Jameco.com for more detailed illustrations and specifications

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Microcontrollers

Part No.	*Mfr.	Mfr. Part No.	Pkg.	Description	1	25
145111	MCH	PIC16F84-04/P	DIP-18	1k flash, 4MHz, 13 I/O, C-temp	\$6.59	\$4.39
145120	MCH	PIC16F84-10/P	DIP-18	1k flash, 10MHz, 13 I/O, C-temp	7.65	6.55
223790	MCH	PIC12F629-1/P	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	1.65	1.24
223781	MCH	PIC12F675-1/P	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	1.69	1.07
312514	MCH	PIC12F683-1/P	DIP-8	2k flash, 20MHz, 6 I/O, I-temp	2.19	2.05
193439	MCH	PIC16F627-20/P	DIP-18	1k flash, 20MHz, 16 I/O, C-temp	3.55	2.55
193447	MCH	PIC16F628-20/P	DIP-18	2K flash, 20MHz, 16 I/O, C-temp	3.49	2.85
246756	MCH	PIC16F628-20/P	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	3.35	3.17
223749	MCH	PIC16F630-1/P	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	2.05	1.17
247142	MCH	PIC16F648A-1/P	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	3.59	2.69
223757	MCH	PIC16F676-1/P	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	1.59	1.19
312590	MCH	PIC16F684-1/P	DIP-14	2k flash, 20MHz, 12 I/O, I-temp	2.45	1.62
312611	MCH	PIC16F688-1/P	DIP-14	4k flash, 20MHz, 12 I/O, I-temp	2.55	1.69
312670	MCH	PIC16F737-1/SP	DIP-28	4k flash, 20MHz, 25 I/O, I-temp	6.15	4.43
223765	MCH	PIC16F818-1/P	DIP-18	1k flash, 20MHz, 16 I/O, I-temp	3.39	2.54
223773	MCH	PIC16F819-1/P	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	3.85	2.89
193332	MCH	PIC16F84A-20/P	DIP-18	1k flash, 20MHz, 13 I/O, C-temp	5.59	4.66
246861	MCH	PIC16F84A-20/P	DIP-18	1k flash, 20MHz, 13 I/O, I-temp	6.39	4.79
246879	MCH	PIC16F84A-20/SO	SOIC-18	1k flash, 20MHz, 13 I/O, I-temp	7.19	5.38
246895	MCH	PIC16F870-1/SP	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	4.79	3.59
246941	MCH	PIC16F872-1/SP	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	4.79	2.86
246975	MCH	PIC16F873A-1/SP	DIP-28	4k flash, 20MHz, 22 I/O, I-temp	6.29	4.72
246991	MCH	PIC16F874A-1/P	DIP-40	4k flash, 20MHz, 33 I/O, I-temp	7.39	6.00
193367	MCH	PIC16F876-20/SP	DIP-28	8k flash, 20MHz, 22 I/O, C-temp	5.39	5.35
247011	MCH	PIC16F876A-1/SP	DIP-28	8k flash, 20MHz, 22 I/O, I-temp	7.35	5.51
176882	MCH	PIC16F877-20/P	DIP-40	8k flash, 20MHz, 22 I/O, C-temp	9.29	8.05
247046	MCH	PIC16F877A-1/L	PLCC-44	8k flash, 20MHz, 33 I/O, I-temp	8.95	6.71
247038	MCH	PIC16F877A-1/P	DIP-40	8k flash, 20MHz, 33 I/O, I-temp	7.25	5.29
247097	MCH	PIC16F87-1/P	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	3.85	2.99
312733	MCH	PIC16F88-1/P	DIP-18	4k flash, 20MHz, 13 I/O, I-temp	4.15	3.05
248111	MCH	PIC18F1320-1/P	DIP-18	8k flash, 40MHz, 16 I/O, I-temp	4.89	3.38
312303	MCH	PIC18F2525-1/SP	DIP-28	48k flash, 40MHz, 25 I/O, I-temp	8.89	7.98
247994	MCH	PIC18F252-1/SP	DIP-28	32k flash, 40MHz, 23 I/O, I-temp	8.79	6.59
248049	MCH	PIC18F452-1/L	PLCC-44	32k flash, 40MHz, 34 I/O, I-temp	10.35	9.14
248031	MCH	PIC18F452-1/P	DIP-40	32k flash, 40MHz, 34 I/O, I-temp	9.75	7.31
248057	MCH	PIC18F458-1/P	DIP-40	32k flash, 40MHz, 33 I/O, I-temp	10.69	6.75
145040	MCH	PIC12C508A-04/P	DIP-8	512 OTP, 4MHz, 5 I/O, C-temp	1.49	.99
144258	MCH	PIC12C509A-04/P	DIP-8	1k OTP, 4MHz, 5 I/O, C-temp	1.49	1.09
128338	MCH	PIC16C54A-04/P	DIP-18	512 OTP, 4MHz, 12 I/O, C-temp	1.45	1.09
193341	MCH	PIC16C57C-04/P	DIP-28	2k OTP, 4MHz, 20 I/O, C-temp	2.49	1.87
193359	MCH	PIC16C711-04/P	DIP-18	1k OTP, 4MHz, 13 I/O, C-temp	4.35	2.26
200467	MCH	PIC16C715-04/P	DIP-18	2k OTP, 4MHz, 13 I/O, C-temp	3.95	3.75
248330	ATM	ATMEGA8-16PI	DIP-28	8kB flash, 16MHz, 23 I/O, I-temp	6.29	4.72
323133	ATM	ATMEGA16-16PI	DIP-40	6kB flash, 16MHz, 32 I/O, I-temp	6.49	4.08
765302	ATM	ATTINY13-20PI	DIP-8	1kB flash, 20MHz, 6 I/O, I-temp	1.39	1.29
689039	ATM	ATTINY2313V-10PU	DIP-20	2kB flash, 10MHz, 18 I/O, I-temp	2.19	1.75
1537061	ATM	ATTINY2313-20PU	DIP-20	2k flash, 20MHz, 18 I/O, I-temp	2.25	2.03
248217	ATM	ATTINY26-16PC	DIP-20	2k flash, 16MHz, 16 I/O, C-temp	2.09	1.52
699552	NXP	P80C31SBPN	DIP-40	128 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.79	2.73
699579	NXP	P80C32SBPN	DIP-40	256 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.51	2.00
323141	ATM	ATMEGA8515-16PC	DIP-40	8kB flash, 16MHz, 35 I/O, C-temp	4.59	3.44
699667	NXP	P87C51SBPN	DIP-40	4k x 8 OTP, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.60	2.46
699675	NXP	P87C52SBAA	PLCC-44	8k x 8 OTP, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.93	2.32
917687	NXP	PCF8583PN	DIP-8	Clock calendar w/ 240 x 8 RAM	3.11	2.33
168874	ATM	AT89C2051-24PC	DIP-20	2kB flash, 24MHz, 15 I/O, C-temp	2.29	1.72
204089	ATM	AT89C4051-24PC	DIP-20	4kB flash, 24MHz, 15 I/O, C-temp	2.15	1.61
168911	ATM	AT89C51-24JC	PLCC-44	4kB flash, 24MHz, 32 I/O, C-temp	4.55	4.07
168903	ATM	AT89C51-24PC	DIP-40	4kB flash, 24MHz, 32 I/O, C-temp	4.95	4.35
168920	ATM	AT89C52-24PC	DIP-40	8kB flash, 24MHz, 32 I/O, C-temp	3.65	2.95
355830	ATM	AT89S51-24PC	DIP-40	4kB flash, 33MHz, 32 I/O, C-temp	2.75	1.99

* ATM = Atmel Semi | DAL = Dallas Semi | MCH = Microchip | NXP = NXP/Philips Semi | ZIL = Zilog | ♦ Manufacturer Varies

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
BRAND NAME
SUPPLIERS VARY
FACTORY OVERRUN

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Microcontrollers (Continued)

Part No.	*Mfr.	Mfr. Part No.	Pkg.	Description	1	25
220871	ATM	AT89S52-24JI	PLCC-44	8kB flash, 24MHz, 32 I/O, I-temp	\$1.69	\$1.27
662637	ATM	AT89S52-24PC	DIP-40	8kB flash, 24MHz, 32 I/O, C-temp	2.15	1.61
168946	ATM	AT89C55WD-24PC	DIP-40	20kB flash, 24MHz, 32 I/O, C-temp	6.59	5.75
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro, C-temp	12.09	9.27
204097	ATM	AT89S8252-24PC	DIP-40	8kB flash, 24MHz, 32 I/O, C-temp	6.95	6.25
1951035	ATM	AT89S8253-24PU	DIP-40	12kB flash, 24MHz, 32 I/O, I-temp	4.75	4.25

Velleman PIC™ Programmer Board

- Regularly updated list of microcontrollers through Velleman's website (www.vellemanusa.com)
- On-board configurable 40-pin ZIF socket
- Easy to use programming PICprog2006 software included
- On-board "In Circuit Programming" DSUB-9 connector
- Power supply: 15VDC @ 300mA adapter (recommend P/N 190001, pg 117)
- Supports over 50 PIC products. Visit website for details
- Size: 5.3"L x 2.6"W



System requirements: IBM compatible PC, Pentium or better, Windows® 98/ME/NT/XP/Vista, CDROM drive, RS-232 port

Part No.	Mfr.	Part No.	Description	Price
2006844	VM134		PIC™ programmer board	\$99.89

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- May be used as a stand alone host w/ either the simple sequencer chip or a PIC 18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2



Part No.	Mfr.	Part No.	Description	Price
1586120	KAE-SSA45-BDV1		Smart serial adapter	\$99.95

***Digital Signal Processors Available Online — Enter Web Code YDY**

Z80 MPUs

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
35561	ZIL	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	\$1.95	\$1.65
35596	♦	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79
35609	ZIL	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.45	2.19
35625	ZIL	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	3.49	3.19
35641	ZIL	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	1.99	1.79
35668	♦	Z80A-SIO/0★	DIP-40	4MHz serial I/O (Tx/CB & Rx/CB bond.) MK3884-4	2.19	1.79
35705	ZIL	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39
280428	ZIL	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.79	6.57
35781	ZIL	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.99	4.24
280516	ZIL	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	4.85	3.62
61786	ZIL	Z85C3008PS	DIP-40	Serial communications controller	5.55	4.72

★ Pull = Extra Savings

Programming & Customizing PICmicro Microcontrollers

McGraw-Hill Details the features of the PICmicro® and how to use these embedded chips to access and control many different devices. (1190 pages, 2001) **Includes:** PIC PCB Blue P/N = Limited Quantity



Part No.	Description	Size	Wt. (lbs.)	Price
183046	PICmicro Programming	9.2" x 7.3"	4.0	\$54.95

6500 Series

Please Note: Manufacturer may vary

★ Web Code: NAG

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191	6502★	DIP-40	CPU, 8-bit, 1MHz	\$5.75	\$4.89	\$4.16
43166	65C02★	DIP-40	CPU, 8-bit, 1MHz	5.95	5.25	4.95
43254	6522★	DIP-40	Versatile interface adapter, 1MHz	4.95	4.21	3.71
43297	6532	DIP-40	RAM I/O timer, 1MHz	7.95	6.99	6.49
43318	6551	DIP-28	Asynch. comm. interface adapter, 1MHz	3.95	3.36	2.52

★ Pull = Extra Savings



6800/68000 CMOS

QUANTITY
SAVE

★ Web Code: SBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	\$10.65	\$8.70	\$7.86
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	12.75	9.69	8.95
248647	MC68HC705C8ACFN	PLCC-44	MCU, 8-bit, 31 I/O, 4MHz	9.35	8.95	6.71
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95	8.02
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	3.85	2.45	2.07
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	18.99	16.14	14.24

6800/68000 N-MOS

★ Web Code: PAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
43481	◆	6800★	DIP-40	CPU, 8-bit, 5V, 2MHz	\$6.95	\$5.95
43502	◆	6802	DIP-40	CPU, 8-bit, 5V, 1MHz	9.85	8.87
43529	◆	6803★	DIP-40	CPU, 8-bit, 5V, 1MHz	7.79	6.99
43537	◆	6808	DIP-40	CPU, 8-bit, 7V, 1MHz	7.95	7.65
43545	◆	6809E★	DIP-40	CPU, 8-bit, 7V, 1MHz	4.39	3.99
320590	◆	68B09E	DIP-40	CPU, 8-bit, 7V, 2MHz	4.75	4.25
43561	◆	6810	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.55	3.18
43596	◆	6821★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.59
43414	◆	68B21★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49
43617	◆	6840	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.49	2.25
43633	◆	6850★	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.39	3.88
25304	◆	MC68000L8★	DIP-64	CPU, 16-bit, 7V, 8MHz	9.95	8.95
25291	◆	MC68000L10★	DIP-64	CPU, 16-bit, 7V, 10MHz	9.95	8.95
25363	MOT	MC68705P3S	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	25.95	23.95

★ Pull = Extra Savings

8000 CMOS

QUANTITY
SAVE

Please Note: Manufacturer may vary

★ Web Code: BAH

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
51676	◆	80C31★	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	\$2.99	\$2.08	\$1.56
876096	INT	P80C31BH-1	DIP-40	MCU, 8-bit, 32 I/O, 16MHz, 5V	3.05	2.53	1.82
108804	◆	80C32-1★	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	4.49	3.85	2.89
51692	◆	80C39★	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	3.59	3.23	2.91
125647	◆	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	33.45	32.75	29.47
51705	◆	80C85A-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	7.25	6.54	4.91
52193	◆	81C55★	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.60	3.19
52370	◆	82C51A★	DIP-28	USART, 3V to 6V	3.95	3.48	2.61
52388	◆	82C53-5	DIP-24	Prog. interval timer, 8MHz	3.65	3.08	2.31
52396	◆	82C54	DIP-24	Prog. interval timer, 8MHz	5.05	4.29	3.21
52409	◆	82C54-2	DIP-24	Prog. interval timer, 10MHz	4.49	4.05	3.59
52417	◆	82C55A	DIP-40	CPU peripheral, 5MHz	4.99	4.48	3.36
52425	◆	82C55A-5	DIP-40	CPU peripheral, 5MHz	4.59	4.07	3.56
52978	◆	87C51◆	DIP-40	MCU, 8-bit, 32 I/O, 33MHz	21.99	18.68	14.01
196120	◆	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	5.09	4.33	3.82

★ Pull = Extra Savings ◆ Refurbished = Backed by Jameco

8000 N-MOS

QUANTITY
SAVE

Please Note: Manufacturer may vary

★ Web Code: CAH

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844	8031★	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	\$3.45	\$3.15	\$2.80
102197	8032	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	4.15	3.77	3.41
51861	8035★	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.59	3.25
51959	8039★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	4.49	3.82	2.86
51983	8049★*	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	3.09	2.74	2.49
51991	8051AP★**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	5.49	4.99	4.49
52046	8080A★	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	5.45	4.79	4.35
52062	8085AH★	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	5.25	4.75	4.49

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM ★ Pull = Extra Savings

8000 N-MOS (Cont.)

Please Note: Manufacturer may vary

★ Web Code: CAH

Part No.	Cross Ref.	Pkg.	Description	1	10	100
52071	8085AH-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	\$5.49	\$4.99	\$4.49
52100	8086-2★	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.59
52142	8088★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.49	2.25	1.99
52169	8088-2★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	4.95	4.49	3.95
34358	UPD70108-8★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	10.99	9.34	7.01
52290	8155	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.82	2.87
52302	8155-2★	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	5.95	5.39	4.85
52468	8212★	DIP-24	I/O port timer, 8-bit, 3MHz	6.49	5.99	5.49
52492	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513	8228	DIP-28	System contr./bus driver	3.69	3.19	2.36
52581	8243★	DIP-24	I/O expander, 5V, MIL temp	5.49	4.94	3.71
52644	8251◆	DIP-28	USART	2.99	2.69	2.39
52652	8251A★	DIP-28	Prog. communications interface	4.09	3.80	3.49
52679	8253★	DIP-24	Prog. interval timer, 2MHz	3.19	2.89	2.59
52687	8253-5◆	DIP-24	Prog. interval timer, 2MHz	3.95	3.75	3.49
52708	8254★	DIP-24	Prog. interval timer, 8MHz	4.79	4.27	3.84
52716	8254-2★	DIP-24	Prog. interval timer, 10MHz	5.95	5.49	4.95
52724	8255★	DIP-40	CPU peripheral, 2MHz	4.49	3.99	3.49
52732	8255A-5★	DIP-40	CPU peripheral, 5MHz	4.89	4.39	3.75
291805	8255AC-5◆	DIP-40	CPU peripheral, 4MHz	5.89	5.30	3.98
52759	8256★	DIP-40	Multi func. µproc. support controller	19.99	17.99	16.19
52775	8259★	DIP-28	Prog. interrupt controller	1.75	1.55	1.45
52783	8259-5★	DIP-28	Prog. interrupt controller	2.25	2.05	1.75
52839	8279★	DIP-40	CPU peripheral, 5MHz	12.99	11.99	10.99
52847	8279-5★	DIP-40	CPU peripheral, 5MHz	12.95	11.69	10.49
52855	8282★	DIP-20	Octal latch bus driver	5.69	4.84	3.63
52871	8284A★	DIP-18	Clock generator/driver, 8MHz	4.95	4.40	3.95
52898	8286	DIP-20	Octal bus transceiver	4.09	3.73	3.38
52901	8287	DIP-20	Octal bus transceiver	10.19	9.26	6.95
53014	8742	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	9.95	8.95	7.95
53022	8748◆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	13.95	12.95	11.95
53031	8748H◆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	14.95	13.95	12.95
53057	8749H◆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	19.95	17.95	15.95
53081	8751H◆	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	19.95	17.95	15.95

★ Pull = Extra Savings ◆ Refurbished = Backed by Jameco

PARALLAX 8 Propeller Microprocessor Chip

NEW
MARKED BY PINK

The Propeller module is a multi-processing chip, with shared memory and a built-in interpreter for programming in a high-level object-oriented language, called Spin™, and low-level (assembly) language.

Complete specifications & photos on page 160 or online

Part No.	Mfr. Part No.	Pkg.	1	10
2007134	P8X32A-D40	DIP-40	\$12.89	\$11.71
2007142	P8X32A-M44	QFN-44	12.89	12.29
2007151	P8X32A-Q44	LOFP-44	12.89	12.85

★ Ethernet Controllers Available Online — Enter Web Code LAE

Voice Chips

★ Web Code: XAU

Single-Chip Voice Record/Playback Devices

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Typical 100K record cycles, 1µA standby current and 100 year message retention
- Playback can be edge or level-activated • 28-pin DIP



Part No.	Mfr. Part No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	\$5.95	\$5.35	\$4.85
141655	ISD25120P	Voice record/playback (120 sec.)	12.95	11.65	10.49

PARALLAX 8 50MIPS SX Microcontroller

Part No.	Mfr. Part No.	Description	1	10	100
162931	SX28AC/DP	DIP-28 50MIPS SX microcontroller	\$4.99	\$4.24	\$3.74

* INT = Intel | MOT = Motorola | ◆ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above
 RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)



PARALLAX



80C52-Basic Microcontroller

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip • Operates DC to 12MHz
- "Stand-alone" software development • On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Mfr. Part No.	Description	1	10	100
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$33.45	\$32.75	\$29.47

PARALLAX BASIC Stamp

Ideal for controller applications including robotics, radio-controlled interfaces of a digital camera, and much more. The BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices.

- Current draw @ 5V: 8mA run/100µA • Volts required: 5-15VDC • 24-pin DIP
- Microcontroller: PIC16C57 • Program speed: 4000/sec. • Size: 1.2"L x 0.6"W

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Part No.	Mfr. Part No.	Pkg.	See page 125 for Serial LCD Modules	1	10
130892	BS2-IC	24-pin		\$48.79	\$43.66

PARALLAX 50MHz BASIC Stamp 2SX Module

- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep
- Volts required: 5-12 VDC • RAM size: 32 bytes
- Scratch pad RAM: 64 bytes • Microcontroller: Ubicom SX28AC

Part No.	Mfr. Part No.	Pkg.	No. of I/O Pins	1	10
159775	BS2SX-IC	24-pin	16 + 2 serial	\$58.99	\$55.99

PARALLAX BASIC Stamp 2P Modules

In addition to the BS2-SX (above) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable) • Voltage requirements: 5-12VDC
- Current draw @ 5V: 40mA run; 400µA sleep • Scratch pad RAM: 128 bytes

Part No.	Mfr. Part No.	Pkg.	No. of I/O Pins	1	10
184911	BS2P24-IC	24-pin	16 + 2 serial	\$78.75	\$74.50
184920	BS2P40-IC	40-pin	32 + 2 serial	88.75	84.00

MICROCHIP PICDEM™ USB Demo Board

The PICDEM FS USB demonstration kit is designed as an easy-to-use evaluation platform for Microchip's full speed USB solution.

The devices in Microchip's new family of USB microcontrollers fully support USB2.0 and serial communications of up to 12Mbps/s. This kit provides all of the hardware and software needed to demonstrate and develop a complete USB communication solution. The microcontroller for the PICDEM board is the PIC18F4550, the principal device of the PIC18F2455/2550/4455/4550 family. All of these devices implement power-saving nano-watt technology, enhanced flash program memory and feature USB modules with:

- Full-speed (12Mbit/s) and low-speed (1.5Mbit/s) operation
- Support of control, interrupt, bulk and isochronous transfers
- On-chip features for a true-single chip USB implementation
- 1kbyte of dual-access RAM for USB • USB 2.0 compliance
- Interface for off-chip USB transceiver • Support of up to 32 end points

Part No.	Mfr. Part No.	Description	1	10	100
697207	DM163025	USB demo board	\$90.49	\$86.99	\$82.64

* ST = ST Micro ♦ Manufacturer Varies

MICROCHIP PICKIT™ 2 Microcontroller Starter Kit

The PICKIT™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website. This kit includes PICKIT™ 2 microcontroller programmer, USB cable and CD ROM.



Part No.	Mfr. Part No.	Description	1	10	100
697338	DV164120	Programmer starter kit	\$83.89	\$79.75	\$69.05

EPROMs

QUANTITY SAVE

* Web Code: XAF

Part No.	*Mfr.	Cross Ref.	Pkg.†	Config.	Description	1	10	100
39909	♦	2708	DIP-24	1k x 8	450ns, 5V	\$4.95	\$4.45	\$3.95
33611	♦	TMS2716	DIP-24	2k x 8	450ns, 5V	2.25	1.99	1.79
40002	♦	2716	DIP-24	2k x 8	450ns, 5V	4.15	3.79	3.35
308662	♦	2716A-2	DIP-24	2k x 8	200ns, 5V	4.95	3.95	2.96
40011	♦	2716-1	DIP-24	2k x 8	350ns, 5V	4.95	4.49	3.95
33591	♦	TMS2532	DIP-24	4k x 8	450ns, 5V	3.99	3.59	3.19
40096	♦	2732	DIP-24	4k x 8	450ns, 5V	5.95	5.49	4.95
39765	♦	2732	DIP-24	4k x 8	450ns, 5V	6.59	5.94	5.34
40133	♦	2732A-45	DIP-24	4k x 8	450ns, 5V	4.19	3.88	3.45
114876	♦	2732B	DIP-24	4k x 8	450ns, 5V	3.95	3.79	3.09
40125	♦	2732A-25	DIP-24	4k x 8	250ns, 5V	4.99	4.49	3.99
40109	♦	2732A-20	DIP-24	4k x 8	200ns, 5V	5.95	5.49	4.95
266001	♦	27C32-150	DIP-24	4k x 8	150ns, 5V	7.35	6.29	5.24
40205	♦	2764-25	DIP-28	8k x 8	250ns, 5V	3.95	3.75	3.49
40248	♦	2764A-25	DIP-28	8k x 8	250ns, 5V	3.99	3.69	3.09
39845	♦	27C64-25	DIP-28	8k x 8	250ns, 5V	3.75	3.49	3.19
40192	♦	2764-20	DIP-28	8k x 8	200ns, 5V	4.25	3.95	3.65
40230	♦	2764A-20	DIP-28	8k x 8	200ns, 5V	4.49	4.09	3.69
74608	♦	27C64-20	DIP-28	8k x 8	200ns, 5V	4.25	3.61	2.80
698349	ST	M27C64A-20F6	FDIP-28	8k x 8	200ns, 5V (±10%)	6.09	5.80	5.30
698322	ST	M27C64A-15F1	FDIP-28	8k x 8	150ns, 5V (±10%)	4.95	4.30	3.21
39829	♦	27C64-15	DIP-28	8k x 8	150ns, 5V	3.95	3.36	2.96
105304	♦	27C64-12	DIP-28	8k x 8	120ns, 5V	3.55	3.29	2.98
266036	♦	27C64-100	DIP-28	8k x 8	100ns, 5V	4.29	3.77	2.83
39933	♦	27128-25	DIP-28	16k x 8	250ns, 5V	3.95	3.75	3.49
39984	♦	27128A-25	DIP-28	16k x 8	250ns, 5V	3.75	3.49	3.15
39685	♦	27C128-25	DIP-28	16k x 8	250ns, 5V	4.25	3.81	3.49
39968	♦	27128A-20	DIP-28	16k x 8	200ns, 5V	3.95	3.75	3.49
101101	♦	27C128-20	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950	♦	27128A-15	DIP-28	16k x 8	150ns, 5V	4.15	3.95	3.65
87935	♦	27C128-12	DIP-28	16k x 8	120ns, 5V	4.49	4.25	3.75
266061	♦	27C128-100	DIP-28	16k x 8	100ns, 5V	5.25	4.46	3.94
149665	♦	27C128-70	DIP-28	16k x 8	70ns, 5V	4.95	4.45	3.95
40061	♦	27256-25	DIP-28	32k x 8	250ns, 5V	3.25	2.75	2.49
39731	♦	27C256-25	DIP-28	32k x 8	250ns, 5V	1.95	1.75	1.49
40045	♦	27256-20	DIP-28	32k x 8	200ns, 5V	3.39	2.96	2.69
39722	♦	27C256-20	DIP-28	32k x 8	200ns, 5V	3.15	2.99	2.63
40037	♦	27256-15	DIP-28	32k x 8	150ns, 5V	3.45	3.25	2.93
39714	♦	27C256-15	DIP-28	32k x 8	150ns, 5V	2.15	1.85	1.65
698111	ST	M27C256B-15F1	FDIP-28	32k x 8	150ns, 5V	3.99	3.45	2.21
65904	♦	27C256-12	DIP-28	32k x 8	120ns, 5V	2.19	2.09	1.88
698091	ST	M27C256B-12F1	FDIP-28	32k x 8	120ns, 5V, C-temp	3.49	3.10	2.49
698103	ST	M27C256B-12F6	FDIP-28	32k x 8	120ns, 5V, I-temp	3.15	2.79	2.12
112740	♦	27C256-10	DIP-28	32k x 8	100ns, 5V	2.95	2.80	2.35
140476	♦	27C256-70	DIP-28	32k x 8	70ns, 5V	3.75	3.50	3.30
698082	ST	M27C256B-10F1	FDIP-28	32k x 8	100ns, 5V	3.09	2.68	1.99
266079	♦	27C256-55	DIP-28	32k x 8	55ns, 5V	4.75	4.15	3.09

♦ Refurbished = Backed by Jameco † FDIP = Ceramic frit seal

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

EPROMs, OTP/PROMs, EEPROMs & Flash Memory

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

EPROMs (Continued)

QUANTITY SAVE

*Web Code: XAF

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39802	+	27C512-25	DIP-28	64k x 8	250ns, 5V	\$3.75	\$3.47	\$3.11
40150	+	27512-20	DIP-28	64k x 8	200ns, 5V	2.69	2.39	2.19
39790	+	27C512-20	DIP-28	64k x 8	200ns, 5V	3.75	3.47	3.11
39781	+	27C512-15	DIP-28	64k x 8	150ns, 5V	2.29	2.05	1.79
698234	ST	M27C512-15F1	FDIP-28	64k x 8	150ns, 5V	4.25	3.50	3.25
39773	+	27C512-12	DIP-28	64k x 8	120ns, 5V	2.39	2.20	1.69
698226	ST	M27C512-12F1	FDIP-28	64k x 8	120ns, 5V	3.35	3.15	2.98
131959	+	27C512-10	DIP-28	64k x 8	100ns, 5V	3.39	2.88	2.54
698218	ST	M27C512-10F1	FDIP-28	64k x 8	100ns, 5V	3.95	3.45	2.95
175206	+	27C512-90	DIP-28	64k x 8	90ns, 5V	2.09	1.74	1.52
698306	ST	M27C512-90F1	FDIP-28	64k x 8	90ns, 5V, C-temp	3.39	3.35	3.25
698314	ST	M27C512-90F6	FDIP-28	64k x 8	90ns, 5V, I-temp	2.89	2.51	2.19
203625	+	27C512-70	DIP-28	64k x 8	70ns, 5V	3.09	2.78	1.97
698251	ST	M27C512-45XF1	FDIP-28	64k x 8	45ns, 5V (±5%)	2.65	2.39	2.12
118148	+	27C1024-15	DIP-40	64k x 16	150ns, 5V	5.29	4.79	4.39
203641	+	27C1024-12	DIP-40	64k x 16	120ns, 5V	6.29	6.15	4.55
697987	ST	M27C1001-15F1	FDIP-32	128k x 8	150ns, 5V	3.85	3.41	3.17
697961	ST	M27C1001-12F1	FDIP-32	128k x 8	120ns, 5V	4.25	3.61	2.70
697944	ST	M27C1001-10F1	FDIP-32	128k x 8	100ns, 5V	4.25	3.80	2.70
698007	ST	M27C1001-70F1	FDIP-32	128k x 8	70ns, 5V	3.99	3.34	3.19
39651	+	27C010-15	DIP-32	128k x 8	150ns, 5V	2.35	2.15	1.85
74624	+	27C010-12	DIP-32	128k x 8	120ns, 5V	2.39	2.25	1.45
79231	+	27C010-10	DIP-32	128k x 8	100ns, 5V	2.09	1.78	1.34
146149	+	27C010-70	DIP-32	128k x 8	70ns, 5V	2.65	2.41	2.20
394708	ATM	AT27C010-70PI	DIP-32	128k x 8	70ns, 5V, OTP	1.49	1.40	1.33
266095	+	27C010-55	DIP-32	128k x 8	55ns, 5V	4.15	3.72	3.49
65699	+	27C020-15	DIP-32	256k x 8	150ns, 5V	3.95	3.75	3.49
78852	+	27C020-12	DIP-32	256k x 8	120ns, 5V	4.05	3.84	2.88
156267	+	27C020-10	DIP-32	256k x 8	100ns, 5V	2.95	2.85	2.65
698031	ST	M27C2001-12F1	FDIP-32	256k x 8	120ns, 5V	5.49	4.61	4.19
698023	ST	M27C2001-10F1	FDIP-32	256k x 8	100ns, 5V	5.45	5.19	4.50
698200	ST	M27C4002-12F1	FDIP-40	256k x 16	120ns, 5V	8.49	7.97	7.43
698197	ST	M27C4002-10F1	FDIP-40	256k x 16	100ns, 5V	7.75	7.62	6.81
127933	+	27C4096-12	DIP-40	256k x 16	120ns, 5V	6.59	5.60	4.20
85462	+	27C040-15	DIP-32	512k x 8	150ns, 5V	4.75	4.45	3.75
102293	+	27C040-12	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75
698171	ST	M27C4001-15F1	FDIP-28	512k x 8	150ns, 5V	7.65	6.98	5.30
698154	ST	M27C4001-12F1	FDIP-28	512k x 8	120ns, 5V	6.05	5.42	4.38
698146	ST	M27C4001-10F1	FDIP-28	512k x 8	100ns, 5V	6.09	5.48	5.05
698189	ST	M27C4001-80XF1	FDIP-28	512k x 8	80ns, 5V (±5%)	6.39	5.68	4.59
111780	+	27C040-10	DIP-32	512k x 8	100ns, 5V	5.05	4.35	3.26
266124	+	27C040-70	DIP-32	512k x 8	70ns, 5V	5.19	4.70	3.49
140003	+	27C080-12	DIP-32	1M x 8	120ns, 5V	10.05	9.50	8.50
698357	ST	M27C801-100F1	FDIP-32	1M x 8	100ns, 5V (±10%)	6.79	6.07	5.80
156275	+	27C080-10	DIP-32	1M x 8	100ns, 5V	7.79	7.40	7.03
203684	+	27C080-90	DIP-32	1M x 8	90ns, 5V	10.85	9.22	6.92

✦ Refurbished = Backed by Jameco ✧ FDIP = Ceramic frit seal

EPROM Accessory

Part No.	Cross Ref.	Description	1	5
13864	CF2	Conductive foam (12" x 24" x .25") hard black	\$9.75	\$8.77

OTP/PROMs

*Web Code: WAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48717	+	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	\$8.95	\$8.05	\$7.25
27844	+	N82S23	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.99	5.39	4.89
27764	+	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	11.39	10.92	10.38
48696	+	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	12.95	11.65	9.95
48805	+	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.15	2.56	2.22
27781	+	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.55	10.02	8.79

OTP/PROMs (Continued)

QUANTITY SAVE

*Web Code: WAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
27810	+	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	\$8.95	\$8.05	\$6.04
27836	+	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	9.15	7.99	7.29
394986	ATM	AT27C256R-45PI	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	3.09	2.76	2.08
266255	+	27C256-15	PLCC-32	32k x 8	256-kbit, 5V, 150ns, OTP	1.15	1.05	.79
395081	ATM	AT27C512R-70PI	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	2.09	1.99	1.88
203692	+	27C512-12 OTP	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	2.29	2.09	1.55
394708	ATM	AT27C010-70PI	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	1.49	1.40	1.33

EEPROMs

QUANTITY SAVE

*Web Code: GAM

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
102058	+	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	\$0.33	\$0.30	\$0.22
108855	+	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	.29	.26	.19
200598	+	93C66	DIP-8	256 x 16	3-wire serial, 2-5V	.35	.33	.28
108847	+	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.71	.60	.48
200547	+	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V	.85	.80	.60
200555	+	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	1.29	1.20	.90
276699	+	28C16	SOIC-24	2k x 8	Page parallel, 5V	2.79	2.29	1.72
74691	+	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.99	3.69	3.39
276701	+	28C17	DIP-28	2k x 8	Page parallel, 5V	3.85	3.27	2.45
40416	+	2817A-25	DIP-28	2k x 8	Page parallel, 5V	4.95	4.49	3.95
74827	+	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	4.45	3.80	3.65
40475	+	2865A	DIP-28	8k x 8	5V	4.95	4.49	4.05
200580	+	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.49	2.35	1.90
74878	+	28C256-25	DIP-28	32k x 8	Page parallel, 5V	7.15	6.25	4.70
74843	+	28C256-15	DIP-28	32k x 8	Page parallel, 5V	8.99	7.65	5.74
845054	ATM	AT28C256-15PI	DIP-28	32k x 8	Page parallel, 5V, I-temp	11.99	10.19	8.99
276832	+	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	2.29	2.15	2.09
276912	+	24C1024	DIP-8	128k x 8	2-wire serial, 2.7-5V	6.65	5.18	4.77

*Interface Controllers Available Online — Enter Web Code HAS

*I²C SMBus Available Online — Enter Web Code SAS

5V Boot Block Flash

*Web Code: MEH

Part No.	Mfr. Part No.	Pkg.	Config.	Description	Temp.	1	10	100
1838260	AM29F040B-90PD	PDIP-32	512k x 8	90ns, 4MB 5V unif. sector	C	\$2.45	\$2.26	\$2.06

*Page Mode Flash Available Online — Enter Web Code BCR

Flash Memory

Please Note: Manufacturer may vary

*Web Code: KAJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	\$4.95	\$4.35	\$3.95
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	4.75	4.38	3.78
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	6.39	5.21	3.91
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	6.09	5.18	3.89
242616	29F020-12	DIP-32	256k x 8	120ns, 5V	5.99	5.86	4.95
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	25.59	23.00	20.70
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	9.05	8.60	8.15

*SDRAMs Available Online — Enter Web Code RAY

Legacy DRAM

Please Note: Manufacturer may vary

*Web Code: AEN

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41662	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	\$1.09	\$1.05	\$0.95
41574	41464-10	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.59	1.49
41398	41256-120	DIP-16	256k x 1	120ns (MB81256-12)	.73	.62	.47
42315	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	1.75	1.55	1.35
128688	HM514260	SOJ-20	256k x 16	70ns	3.39	3.05	2.75

★ Pull = Extra Savings

* ATM = Atmel Semiconductor | ST = ST Micro | ✦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

✦ RoHS compliant product ✧ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161



Static RAM

★ Web Code: WAF

Part No.	*Mfr.	Product No.	Pkg.	Config.	Description	1	10
38931	◆	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$1.69	\$1.55
42198	◆	5101★	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.99	7.19
38957	◆	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	1.95	1.75
43238	◆	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.65
38973	◆	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.05	1.95
38981	◆	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.25	2.05
38746	◆	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.87	.80
114260	DAL	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	14.35	12.20
25911	◆	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.59	7.20
42809	◆	6116P-3★	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.49	1.29
42753	◆	6116LP-3★	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.95	1.75
42788	◆	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.95	1.66
42737	◆	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.99	1.79
242333	◆	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async.	3.95	3.36
1927473	ALM	AS6C6264-55PCN	PDIP-28	8k x 8	64k LP, 55ns, 2.7-5.5V, C-temp	2.75	2.34
392294	CPS	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	3.29	2.95
85121	◆	6264LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.55	3.17
42884	◆	6264LP-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.95	2.75
42921	◆	6264P-10★	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.75	2.49
42892	◆	6264LP-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.75	2.55
42930	◆	6264P-12★	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.65	2.36
114278	DAL	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	15.99	13.59
114307	DAL	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	15.95	14.49
242376	◆	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Async.	1.99	1.75
1927414	ALM	AS6C62256-55PCN	PDIP-28	32k x 8	256k LP, 55ns, 2.7-5.5V, C-temp	2.75	2.34
177113	DAL	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	15.75	13.39
114323	DAL	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	20.25	17.10
41970	◆	43256-10L★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	5.25	4.75
41988	◆	43256-12L★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	4.99	4.49
75037	◆	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.39	2.99
82472	◆	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	4.95	4.21
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.99	2.54
391822	CPS	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.99	2.45
391890	CPS	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.99	2.54
42876	◆	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	3.29	2.64
42833	◆	62256LP-10★	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	2.95	2.75
42850	◆	62256LP-12★	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	2.75	2.55
1927799	ALM	AS7C1026B-12JCN	SOJ-44	64k x 16	1M, 12ns, 5V, C-temp	3.45	3.09
1927457	ALM	AS6C1008-55PCN	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp	3.19	2.85
1927748	ALM	AS7C1025B-12JCN	SOJ-32	128k x 8	1M, 12ns, 3.3V, C-temp	3.45	3.09
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	3.55	3.19
391996	CPS	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.85	2.30
279873	◆	628128S-70	SOP-32	128k x 8	1-Mbit, 5V, 70ns	2.49	2.19
131810	◆	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	9.95	7.95
103982	◆	628128LP-85★	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	10.65	7.95
1927617	ALM	AS6C4008-55PCN	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp	5.99	5.39
1927625	ALM	AS6C4008-55SIN	SOP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, I-temp	5.49	4.89
157358	◆	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	19.59	17.75
280049	◆	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Async.	6.29	5.69

★ Pull = Extra Savings † Center power & ground Ⓢ Blue Part No. = Limited Quantity Available

PALs, GALs & PEELs

NEW
MARKED IN PINK

★ Web Code: YAD

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
28020	◆	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	\$2.39	\$1.93
111667	◆	PAL16R6ANC	DIP-20	TTL, 32 x 64 AND array	1.49	1.25
652615	◆	16V8-7	DIP-20	7ns 64 x 32 AND array	3.29	2.80
88399	◆	16V8-10*	DIP-20	10ns 64 x 32 AND array	2.09	1.88
37452	◆	16V8-15*	DIP-20	15ns 64 x 32 AND array	1.59	1.40
37461	◆	16V8-25*	DIP-20	25ns 64 x 32 AND array	1.35	1.16
1427735	LAT	GAL16V8D-15LPN	DIP-20	15ns 64 x 32 AND array	1.99	1.38

* ALM = Alliance Memory ANA = Anachip CPS = Cypress Semiconductor DAL = Dallas Semiconductor LAT = Lattice Semiconductor ◆ Manufacturer Varies

PALs, GALs & PEELs (Continued)

★ Web Code: YAD

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
105953	ANA	18CV8P-25	DIP-20	25ns 74 x 36 AND array, PEEL	\$2.69	\$2.39
88292	◆	20V8-10**	DIP-24	10ns 64 x 40 AND array	2.75	1.98
38658	◆	20V8-15**	DIP-24	15ns 64 x 40 AND array	1.85	1.24
105996	ANA	22CV10AP-25	DIP-24	25ns 132 x 44 AND array, PEEL	2.59	2.35
123801	◆	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99
876951	LAT	GAL22V10D-15LP	DIP-24	15ns 132 x 44 AND array	7.25	6.16
39159	◆	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.96
39167	◆	22V10-25	DIP-24	25ns 132 x 44 AND array	4.25	3.72

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R6, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

* CPLDs, FLEX FPGAs Available Online — Enter Web Code SAZ

74AC/ACT Series

★ Web Code: CDR

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	* Order in multiples of 10		
					1	10	100
238887	◆	74AC10N	DIP-14	Triple 3-input NAND gate	* .106	.095	
238730	◆	74AC139N	DIP-16	Dual 2 to 4 decoder/demux.	* .166	.125	
238764	◆	74AC157N	DIP-16	Quad 2-input multiplexer	.49	.45	.35
211983	◆	74ACT08N	DIP-14	Quad 2-input AND gate	* .17	.128	
266159	◆	74ACT08M	SOIC-14	Quad 2-input AND gate	* .15	.112	
212003	◆	74ACT32N	DIP-14	Quad 2-input OR gate	* .189	.142	
212011	◆	74ACT74N	DIP-14	Dual D-type positive edge trigg flip-flop	* .189	.143	
239054	◆	74ACT174N	DIP-16	Hex D-type flip-flop	.27	.245	.184
212062	◆	74ACT245N	DIP-20	Quad bidirectional trans. w/ 3 st. I/O	.33	.279	.207

74F Series

NEW
MARKED IN PINK

★ Web Code: CEN

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	* Order in multiples of 10		
					1	10	100
286993	◆	74F02N	DIP-14	Quad 2-input NOR gate	* .39	.35	.25
287005	◆	74F04N	DIP-14	Hex inverter	* .143	.108	
287013	◆	74F08N	DIP-14	Quad 2-input AND gate	* .158	.118	
44652	◆	74F10	DIP-14	Triple 3-input NAND gate	.35	.25	.19
111641	◆	74F11	DIP-14	Triple 3-input AND gate	* .13	.11	
287654	◆	74F14D	SOIC-14	Hex inverter w/ Schmitt trigger	* .172	.159	
245121	◆	74F30N	DIP-14	8-input NAND gate	.43	.36	.27
287638	◆	74F32D	SOIC-14	Quad 2-input OR gate	* .153	.115	
287048	◆	74F32N	DIP-14	Quad 2-input OR gate	* .165	.144	
245139	◆	74F38N	DIP-14	Quad 2-input NAND gate (O.C.)	.27	.234	.176
287620	◆	74F74D	SOIC-14	Dual D-type flip-flop	.25	.217	.154
287056	◆	74F74N	DIP-14	Dual D-type flip-flop	* .199	.149	
287611	◆	74F86D	SOIC-14	Quad 2-input OR gate	.26	.215	.161
287064	◆	74F86N	DIP-14	Quad 2-input OR gate	* .182	.136	
287566	◆	74F138D	SOIC-16	3 to 8 decoder/demux.	.27	.142	.107
287072	◆	74F138N	DIP-16	3 to 8 decoder/demux.	.25	.22	.19
287081	◆	74F139N	DIP-16	Dual 1-of-4 decoder/demux.	* .195	.146	
245163	◆	74F148N	DIP-16	8 to 3 line priority encoder	.28	.252	.189
245171	◆	74F157AN	DIP-16	Quad 2-input multiplexer	* .085	.077	
282731	◆	74F174N	DIP-16	Hex D-type flip-flop w/ master reset	.27	.217	.162
287540	◆	74F244D	SOIC-20	Octal buffer/driver w/ 3-st. output	.42	.367	.288
287144	◆	74F245N	DIP-20	Quad 2-input multiplexer	* .19	.15	
283557	◆	74F257D	SOIC-16	Quad 2:1 data selector/mux. w/ 3-st	.35	.27	.202
287099	◆	74F273N	DIP-20	Octal D-type flip-flop	.44	.374	.281
287494	◆	74F373D	SOIC-20	Octal transparent D-type latch w/ 3-st	.36	.292	.22
287216	◆	74F574N	DIP-20	Octal D-type flip-flop w/ 3-st	.48	.382	.287
287460	◆	74F574D	SOIC-20	Octal D-type flip-flop w/ 3-st	.36	.27	.179

* 74AHC/AHCT Series Available Online — Enter Web Code XAA

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

74HC/HCT & 74ALS/LS Series



74HC Series

NEW
MARKED BY PHN

★ Web Code: **SDJ**

					* Order in multiples of 10		
Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	
873338	ON	MC74HC00AN	PDIP-14	Quad 2-input NAND gate	\$.28	\$.247	
835219	TI	SN74HC00N	DIP-14	Quad 2-input positive NAND gates	.52	.416	
906389	NXP	74HC00N	DIP-14	Quad 2-input NAND gate, I-temp	.32	.288	
45161	+	74HC00N	DIP-14	Quad 2-input NAND gate	.30	.26	
45188	+	74HC02N	DIP-14	Quad 2-input NOR gate	.32	.24	
914611	TI	SN74HC03N	DIP-14	Quad 2-input pos. NAND w/ open-drain, I-temp	.44	.356	
914646	TI	SN74HC04DR	SOIC-14	Hex inverter, I-temp	.34	.289	
835235	TI	SN74HC04N	DIP-14	Hex inverter	.50	.34	
906574	NXP	74HC04N	DIP-14	Hex inverter	.42	.305	
45209	+	74HC04N	DIP-14	Hex inverter	.32	.21	
250982	TI	SN74HC07N	DIP-14	Hex Inverter	.39	.25	
45225	+	74HC08N	DIP-14	Quad 2-input AND gate	.38	.325	
835340	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverter	.46	.333	
45364	+	74HC14N	DIP-14	Hex schmitt trigger inverter	.27	.228	
907411	NXP	74HC14N	DIP-14	Hex inverting schmitt trigger	.37	.321	
45583	+	74HC20	DIP-14	Dual 4-input NAND gate	.29	.25	
45794	+	74HC32N	DIP-14	Quad 2-input OR gate	.34	.277	
46130	+	74HC74N	DIP-14	Dual D-type pos. edge trig. F-F w/ clear & preset	.44	.352	
46156	+	74HC75	DIP-16	4-bit bi-stable latch	.45	.35	
46181	+	74HC86N	DIP-14	Quad 2-input Exclusive OR gate	*	.198	
45305	+	74HC125N	DIP-14	Quad bus buffer w/ 3-state outputs	.41	.356	
914849	TI	SN74HC126N	DIP-14	Quad bus buffer gates w/ 3-st., I-temp	.42	.32	
45321	+	74HC132N	DIP-14	Quad pos. NAND gate w/ Schmitt trig. input	.38	.30	
86182	+	74HC138D	SOIC-16	3-8 decoder/demultiplexer	.25	.19	
835315	TI	SN74HC138N	DIP-16	3-to-8 line decoders/demultiplexer	.33	.30	
45330	+	74HC138N	DIP-16	3-to-8 decoder/demultiplexer	.38	.30	
45401	+	74HC154N	DIP-24	4-to-16 line decoder	.79	.67	
45487	+	74HC164N	DIP-14	8-bit parallel out serial shift register	.39	.332	
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register	.49	.346	
845927	NXP	74HC165N	DIP-16	8-bit parallel-in/serial-out shift reg.	.44	.315	
45495	+	74HC165N	DIP-16	8-bit parallel load shift register	.32	.28	
45532	+	74HC191	DIP-16	Up/down bi-nary counter	.39	.29	
45541	+	74HC192	DIP-16	Presettable synch. 4-bit up/down counter	1.59	1.44	
908220	NXP	74HC244N	DIP-20	Octal buffer/line driver 3-st	.59	.441	
45655	+	74HC244N	DIP-20	Octal buffer/line driver w/ 3-st. output	.45	.38	
45671	+	74HC245N	DIP-20	Octal bus trans. w/ 3-state output	.45	.38	
45719	+	74HC257	DIP-16	Quad 2-channel tri state multiplexer	*	.17	
251475	TI	SN74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. output	.54	.41	
45831	+	74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. output	.45	.39	
86254	+	74HC374DR	SOIC-20	Tri-state octal D-type flip-flop	..	.15	
45858	+	74HC374N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. output	.39	.332	
109760	+	74HC540N	DIP-20	Octal buffer/line driver w/ 3-st. output	*	.167	
46050	+	74HC541N	DIP-20	Octal buffer/line driver w/ 3-st. output NOR gate	.34	.306	
46076	+	74HC573N	DIP-20	Octal transparent D-type latches w/ 3-st. output	.38	.32	
46084	+	74HC574N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. out. flow thru	.40	.314	
46105	+	74HC595N	DIP-16	8-bit shift reg. w/ 3-st. output register	.62	.44	
251643	TI	SN74HC595N	DIP-16	8-bit shift reg. w/ 3-st. output register	.65	.55	
46113	+	74HC688N	DIP-20	8-bit identity comparators	.45	.38	
45891	+	74HC4017	DIP-16	Decade ctr/div w/ decoded output	.50	.42	
272057	+	74HC4049N	DIP-16	Hex inverting buffer	.45	.378	
88102	+	74HC4051N	DIP-16	8-channel analog multiplexer	.35	.29	
272129	+	74HC4053N	DIP-16	Triple 2-channel analog multiplexer	.46	.369	
822303	TI	CD74HC4511E	DIP-16	BCD-to-7 segment latch/decoder/driver	.70	.531	

74HCT Series

NEW
MARKED BY PHN

★ Web Code: **SAG**

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	
44871	+	74HCT00N	DIP-14	Quad 2-input NAND gate	\$.43	\$.30	
44898	+	74HCT04N	DIP-14	Hex inverter	.35	.29	
63765	+	74HCT05	DIP-14	Hex inverter (O.C.)	.29	.25	
44901	+	74HCT08N	DIP-14	Quad 2-input AND gate	.33	.277	
618046	+	74HCT10N	DIP-14	Triple 3-input NAND gate	.38	.323	
898480	TI	CD74HCT14E	DIP-14	CMOS logic hex inverting schmitt trig., I-temp	.37	.288	

74HCT Series (Continued)

NEW
MARKED BY PHN

★ Web Code: **SAG**

					* Order in multiples of 10		
Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	
44935	+	74HCT14N	DIP-14	Hex schmitt trigger inverter	\$.36	\$.318	
88006	+	74HCT20	DIP-14	Dual 4-input NAND gate	*	.15	
45137	+	74HCT74N	DIP-14	Dual D-type pos. edge trig F-F w/ clear & preset	.39	.268	
45145	+	74HCT86	DIP-14	Quad 2-input EXCLUSIVE-OR gate	*	.198	
44927	+	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer	.33	.28	
44986	+	74HCT174	DIP-16	Hex D flip-flop w/clear	.25	.19	
44994	+	74HCT175	DIP-16	Quad D flip-flop w/clear	*	.15	
45022	+	74HCT244N	DIP-20	Octal buffer/line driver w/ 3-st. output	.31	.264	
45031	+	74HCT245N	DIP-20	Octal bus trans. w/ 3-state output	.65	.42	
913336	NXP	74HCT367N	DIP-16	Hex buffer/line driver, 3-st	.63	.477	
45090	+	74HCT573N	DIP-20	Octal transparent D-type latch w/ 3-st. output	.43	.42	

74ALS Series

Please Note: Manufacturer may vary

★ Web Code: **APE**

Part No.	Cross Ref. No.	Pkg.	Description	1	10	100
245294	74ALS00AN	DIP-14	Quad 2-input NAND gate	\$.39	\$.30	\$.23
43959	74ALS02N	DIP-14	Quad 2-input NOR gate	.27	.243	.182
245307	74ALS04BN	DIP-14	Hex inverters	.30	.257	.235
44134	74ALS32N	DIP-14	Quad 2-input OR gate	.39	.35	.29
245892	74ALS74AN	DIP-14	Dual D-pos. edge-trig. flip-flop	.39	.30	.225
310295	74ALS244AM	SOIC-20	Octal buffer/driver w/ 3-st.	.39	.33	.249
44100	74ALS251N	DIP-16	1-of-8 line data selector/mux. w/ 3-st.	.53	.441	.333

74LS Series

QUANTITY
SAVE

★ Web Code: **NBS**

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
283725	TI	SN74LS00N	DIP-14	Quad 2-input NAND gate	\$.50	\$.416	\$.312
46252	+	74LS00N	DIP-14	Quad 2-input NAND gate	.41	.349	.24
283741	TI	SN74LS02N	DIP-14	Quad 2-input NOR gate	.50	.415	.311
46287	+	74LS02N	DIP-14	Quad 2-input NOR gate	.45	.41	.34
283792	TI	SN74LS04N	DIP-14	Hex inverter	.48	.408	.306
46316	+	74LS04N	DIP-14	Hex inverter	.41	.26	.23
46341	+	74LS05N	DIP-14	Hex inverter (O.C.)	.42	.353	.235
46359	+	74LS06N	DIP-14	Hex inverter buffer/driver (O.C.)	.74	.62	.50
46367	+	74LS07N	DIP-14	Hex buffer/driver (O.C. hi-volt)	.64	.57	.49
295401	TI	SN74LS08N	DIP-14	Quad 2-input AND gate	.49	.412	.228
46375	+	74LS08N	DIP-14	Quad 2-input AND gate	.37	.307	.23
46391	+	74LS09N	DIP-14	Quad 2-input AND gate (O.C.)	.46	.39	.293
46404	+	74LS10N	DIP-14	Triple 3-input NAND gate	.49	.39	.276
46439	+	74LS11N	DIP-14	Triple 3-input AND gate	.49	.37	.264
295460	TI	SN74LS14N	DIP-14	Hex inverter schmitt trigger	.49	.412	.228
46640	+	74LS14N	DIP-14	Hex inverter schmitt trigger	.40	.34	.255
47095	+	74LS20N	DIP-14	Dual 4-input NAND gate	.45	.29	.24
47108	+	74LS21N	DIP-14	Dual 4-input AND gate	.26	.224	.16
47378	+	74LS27N	DIP-14	Triple 3-input NOR gate	.28	.23	.18
47458	+	74LS30N	DIP-14	8-input NAND gate	.36	.302	.167
295515	TI	SN74LS32N	DIP-14	Quad 2-input OR gate	.45	.386	.289
47466	+	74LS32N	DIP-14	Quad 2-input OR gate	.35	.312	.246
295558	TI	SN74LS37N	DIP-14	Quad 2-input NAND gate buffer	.74	.63	.47
47773	+	74LS42N	DIP-14	BCD-to-decimal decoder/driver	1.09	.88	.62
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/drv. (O.C.)	1.12	.81	.70
47790	+	74LS47N	DIP-16	BCD-to-7 seg. decoder/drv. (O.C.)	.99	.73	.62
47811	+	74LS48N	DIP-16	BCD-to-7 seg. decoder/drv.	4.99	4.24	3.18
47992	+	74LS73N	DIP-14	Dual JK F-F w/ clear, center VCG/GND	1.03	.84	.64
295726	TI	SN74LS74AN	DIP-14	Dual D flip-flop	.45	.37	.27
48004	+	74LS74N	DIP-14	Dual D flip-flop	.39	.27	.22
48021	+	74LS75N	DIP-16	4-bit bi-stable latch	.86	.73	.66
48039	+	74LS76N	DIP-16	Dual JK flip-flop w/ preset & clear	.99	.89	.79
48063	+	74LS83N	DIP-16	4-bit binary full adder	2.05	1.81	1.64
295742	TI	SN74LS85N	DIP-16	4-bit magnitude comparator	.91	.68	.52
48071	+	74LS85N	DIP-16	4-bit magnitude comparator	.42	.382	.345
295751	TI	SN74LS86N	DIP-14	Quad EXCLUSIVE-OR gate	.45	.386	.287

* 10 pcs./ ** 20 pcs. in 74LS series IC cabinet kit, pg 9

Continued on next page

* NXP = NXP/Philips Semiconductor | ON = ON Semi | TI = Texas Instruments | + Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



74LS Series (Continued)

QUANTITY
SAVE

★ Web Code: NBS

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
48098	+	74LS86N*	DIP-14	Quad EXCLUSIVE-OR gate	\$.38	\$.323	\$.236
295769	TI	SN74LS90N	DIP-14	Decade counter	1.55	1.25	.94
48119	+	74LS90N*	DIP-14	Decade counter	.99	.87	.75
48143	+	74LS92N	DIP-14	Divide-by-12 counter	1.23	1.11	.79
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.55	1.25	.94
48151	+	74LS93N*	DIP-14	4-bit binary counter	.95	.85	.75
48178	+	74LS95N	DIP-14	4-bit parallel-access shift reg.	1.75	1.59	1.45
46412	+	74LS107N	DIP-14	Dual JK flip-flop with clear	.88	.84	.62
46421	+	74LS109N	DIP-16	Dual JK pos. edge-trig. flip-flop	.78	.58	.454
46447	+	74LS112N	DIP-16	Dual JK neg. edge-trig. flip-flop	.51	.428	.237
46471	+	74LS122N	DIP-14	Retrig. mono. multivib. comm. CLK	.67	.63	.378
300880	TI	SN74LS123N	DIP-16	Dual mono. multivibrator w/ clear	.71	.54	.405
46480	+	74LS123N*	DIP-16	Dual mono. multivibrator w/ clear	.37	.30	.225
46501	+	74LS125N*	DIP-14	Quad bus buffer neg. enable 3-st.	.36	.31	.233
46527	+	74LS126N	DIP-14	Quad bus buffer 3-st.	.59	.53	.401
46551	+	74LS132N	DIP-14	Quad 2-input NAND Schmitt trig.	.40	.339	.25
46586	+	74LS136N	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)	.75	.63	.378
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.55	.45	.35
46607	+	74LS138N*	DIP-16	3-to-8 decoder/demultiplexer	.52	.423	.322
46623	+	74LS139N*	DIP-16	2-to-4 decoder/demultiplexer	.37	.32	.24
46666	+	74LS145N	DIP-16	BCD-to-decimal decoder/drv. (O.C.)	.73	.55	.423
46682	+	74LS148N	DIP-16	8-to-3 priority encoder	.98	.81	.60
46703	+	74LS151N*	DIP-16	8-input multiplexer	.45	.349	.269
46720	+	74LS153N	DIP-16	Dual 4-to-1 selector/multiplexer	.48	.457	.307
46738	+	74LS154N	DIP-24	4-to-16 line decoder/demux.	5.15	4.59	3.69
46754	+	74LS155N*	DIP-16	Dual 2-to-4 line decoder/demux.	.85	.72	.54
815816	TI	SN74LS156N	DIP-16	Dual 2-to-4 line decoder/demux.	.70	.59	.441
46771	+	74LS157N*	DIP-16	Quad 2-to-1 line data selector/mux.	.56	.428	.237
46800	+	74LS160N	DIP-16	Decade countr w/ asynch. clear	2.59	2.49	2.39
46818	+	74LS161N	DIP-16	Synch 4-bit counter	.57	.48	.36
46842	+	74LS163N	DIP-16	Fully synch. 4-bit counter	.57	.479	.265
46851	+	74LS164N	DIP-14	8-bit serial shift register	.52	.40	.30
46877	+	74LS165N	DIP-16	8-bit serial shift register, parallel load	.56	.428	.325
46885	+	74LS166N	DIP-16	8-bit parallel shift register	.66	.56	.42
46906	+	74LS169N	DIP-16	Synch. binary up/down counter	.61	.52	.39
46922	+	74LS173N	DIP-16	4-bit D-type reg. 3-state	.90	.78	.391
46931	+	74LS174N*	DIP-16	Hex D flip-flop w/ clear	.79	.58	.435
46957	+	74LS175N*	DIP-16	Quad D flip-flop w/ clear	.51	.44	.33
46973	+	74LS181N	DIP-24	Arithmetic logic unit/function gen.	2.59	2.16	1.47
46990	+	74LS190N	DIP-16	Synchronous up/down counter	2.95	2.65	2.55
47001	+	74LS191N	DIP-16	Up/down binary counter	.67	.55	.45
47010	+	74LS192N	DIP-16	Decade up/down countr w/ clear	3.49	3.05	2.85
301831	TI	SN74LS193N	DIP-16	Binary up/down countr w/ clear	.79	.68	.51
47036	+	74LS193N*	DIP-16	Binary up/down countr w/ clear	.61	.57	.34
301858	TI	SN74LS194N	DIP-16	4-bit bi-directional shift register	1.09	1.00	.75
47052	+	74LS194N*	DIP-16	4-bit bi-directional shift register	1.25	1.04	.78
47124	+	74LS221N	DIP-16	Dual monostable multivibrator	.77	.64	.48
47141	+	74LS240N*	DIP-20	Octal invert. line driver 3-st.	.70	.60	.45
47167	+	74LS241N	DIP-20	Octal bus/line driver 3-st.	.58	.48	.36
815921	TI	SN74LS243N	DIP-14	Quad bus transceivers	3.49	3.05	2.21
308312	TI	SN74LS244N	DIP-20	Octal driver 3-st.	.59	.53	.39
47183	+	74LS244N*	DIP-20	Octal driver 3-st.	.53	.444	.333
308321	TI	SN74LS245N	DIP-20	Octal bus transceiver 3-st.	.85	.65	.358
47212	+	74LS245N*	DIP-20	Octal bus transceiver 3-st.	.64	.48	.36
47247	+	74LS247N	DIP-16	BCD to 7-seg. decoder/drv. (O.C.)	1.00	.85	.64
47327	+	74LS259N	DIP-16	8-bit addressable latch	.46	.39	.293
47360	+	74LS266N	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.)	.69	.52	.395
47386	+	74LS273N*	DIP-20	Octal D-type flip-flop with clear	.66	.56	.414

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, above right

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* TI = Texas Instruments ◆ Manufacturer Varies

74LS Series (Continued)

QUANTITY
SAVE

★ Web Code: NBS

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
47407	+	74LS279N	DIP-16	Quad set-rest latches	\$.50	\$.425	\$.319
47423	+	74LS283N	DIP-16	4-bit binary full add w/ fast carry	.53	.44	.33
47562	+	74LS367N	DIP-16	Hex buffer 3-st.	.42	.357	.268
308460	TI	SN74LS373N	DIP-20	Octal D flip-flop 3-st.	.78	.66	.495
47600	+	74LS373N*	DIP-20	Octal D flip-flop 3-st.	.64	.49	.39
308478	TI	SN74LS374N	DIP-20	Octal D flip-flop edge-trig. 3-st.	.78	.66	.495
47634	+	74LS374N*	DIP-20	Octal D flip-flop edge-trig. 3-st.	.54	.465	.349
1944311	+	74LS375P	DIP-16	4-bit bistable latches	.75	.59	.39
47669	+	74LS377N	DIP-20	Octal D register common enable	.50	.43	.319
47722	+	74LS390N	DIP-16	Dual 4-bit decade counter	.80	.66	.495
47731	+	74LS393N	DIP-14	Dual 4-bit binary counter	.69	.59	.44
47861	+	74LS540N	DIP-20	Octal invert. buffer/line driver 3-st.	.99	.84	.63
47870	+	74LS541N	DIP-20	Octal buffer/line driver 3-st.	.67	.63	.47
64418	+	74LS573N	DIP-20	Octal D-type flip-flop latch 3-st.	2.05	1.85	1.55
64426	+	74LS574N	DIP-20	Octal D-type flip-flop edge-trig. 3-st.	2.15	1.89	1.69
103974	+	74LS595N	DIP-16	8-bit serial-to-parallel shift reg. 3-st.	5.55	4.49	3.79
47950	+	74LS645N	DIP-20	Octal bus transceiver 3-st. (O.C.)	1.30	1.11	.83
47984	+	74LS688N	DIP-20	8-bit magnitude comparator	1.55	1.38	1.00

*10 pcs. in 74LS series IC cabinet kit, below

74LS Series IC Kit

SAVE \$71

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374, 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961	420 pcs. 74LS IC kit	6.7	\$135.55	\$123.95
130391	Refill for 84961 (420 pcs.)	2.0	116.99	109.99

★ ECL Logic Series Available Online — Enter Web Code RAK

★ Tiny Logic Series Available Online — Enter Web Code UES

ON Semiconductor® MC14000 Series

★ Web Code: XDH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
868141	MC14013BCP	PDIP-14	Dual D-type flip-flop	\$.33	\$.278	\$.263
792474	MC14511BCPG	PDIP-16	BCD-to-7 seg latch/decoder/driver ..	.49	.406	.352
947982	MC14553BCPG	DIP-16	3-digit BCD decoder	1.69	1.36	1.18

4000 Series

QUANTITY
SAVE

★ Web Code: WAA

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
12562	+	CD4001*	DIP-14	Quad 2-input NOR gates	\$.39	\$.30	\$.225
12597	+	CD4007	DIP-14	Dual comp. pair with inverter	.42	.336	.252
12634	+	CD4011*	DIP-14	Quad 2-input NAND gates	.35	.288	.228
893443	TI	CD4013BE	DIP-14	CMOS dual D-type flip-flop	.49	.396	.297
12677	+	CD4013*	DIP-14	Dual D flip-flops with set/reset	.41	.34	.255
12722	+	CD4016*	DIP-14	Quad bilateral switches	.36	.299	.157
12749	+	CD4017*	DIP-16	Decade counter/divider	.39	.35	.32
893611	TI	CD4017BE	DIP-16	CMOS counter/divider	.47	.356	.267
12773	+	CD4018	DIP-16	Presetttable divide-by-N counter	.29	.264	.198
12802	+	CD4020*	DIP-16	14-stage binary/ripple counter	.49	.39	.29
12829	+	CD4021	DIP-16	8-stage static shift register	.29	.25	.188
12845	+	CD4023*	DIP-14	Triple 3-input NAND gates	.43	.36	.267
12853	+	CD4024*	DIP-14	7-stage binary counter	.27	.245	.22

*10 pcs./ **20 pcs. in 4000 series IC cabinet kit, pg 10

Continued on next page

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above
 RoHS compliant product
 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.
 [Details on page 161.](#)
Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

4000 & 7400 Series

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

4000 Series (Continued)

QUANTITY SAVE

*Web Code: WAA

* Order in multiples of 10					
Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1 10 100
893945	TI	CD4025BE	DIP-14	CMOS triple 3-input NOR gate	\$.26 \$.201 \$.153
353560	+	CD4026	DIP-16	Decade counter/divider	.62 .46 .345
12888	+	CD4027*	DIP-16	Dual JK master-slave flip-flops	.40 .34 .27
12909	+	CD4028	DIP-16	BCD-to-decimal decoder	.42 .279 .209
12925	+	CD4029	DIP-16	Presetable up/down counter	.41 .323 .242
12950	+	CD4040*	DIP-16	12-stage binary/ripple counter	.37 .30 .26
197333	+	CD4040M	SOIC-16	12-stage binary/ripple counter	.95 .85 .75
12992	+	CD4043	DIP-16	Quad NOR R-S latches tri-state	.49 .378 .283
13004	+	CD4044	DIP-16	Quad 3-state NAND R-S latches	.38 .318 .238
894331	TI	CD4047BE	DIP-14	CMOS LP monostable/stable multivibr	* .442 .354
13055	+	CD4049*	DIP-16	Hex/buffer/converters (inverting)	.35 .288 .25
894391	TI	CD4051BE	DIP-16	Single 8-ch mux. w/ 3-binary inputs	.46 .39 .28
13098	+	CD4051	DIP-16	Single 8-channel mux./demux.	.45 .383 .338
13119	+	CD4052	DIP-16	Diff. 4-channel mux./demux.	.41 .34 .255
13127	+	CD4053	DIP-16	Triple 2-channel mux./demux.	.45 .369 .277
818259	TI	CD4059AE	DIP-24	CMOS programmable divide by N cntr	2.25 1.94 1.43
13151	+	CD4060	DIP-16	14-stage ripple-carry binary	.41 .33 .248
13186	+	CD4066**	DIP-14	Quad bilateral switches	.39 .30 .23
13215	+	CD4067	DIP-24	16-channel analog mux./demux.	1.37 1.14 .91
13231	+	CD4069	DIP-14	Hex inverters (74C04)	.38 .317 .238
13258	+	CD4070*	DIP-14	Quad exclusive-OR gates (74C86)	.38 .302 .227
13274	+	CD4071*	DIP-14	Quad 2-input OR gates	.43 .366 .285
676086	+	CD4073	DIP-14	Triple 3-input AND gates	.41 .323 .185
676094	+	CD4075	DIP-14	Triple 3-input OR gates	1.29 1.15 1.05
676115	+	CD4078	DIP-14	Triple 3-input OR gates	1.29 1.15 1.05
13354	+	CD4081	DIP-14	Quad 2-input AND gates	.34 .289 .255
676123	+	CD4082	DIP-14	Dual 4-input AND gates	.42 .357 .215
870807	FSC	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trig.	.39 .333 .25
818873	TI	CD4093BE	DIP-14	Quad 2-input NAND schmitt trig.	.49 .328 .294
13400	+	CD4093*	DIP-14	Quad 2-input NAND schmitt trig.	.35 .298 .228
13426	+	CD4094	DIP-16	8-stage shift-and-store bus reg.	.28 .26 .23
895254	TI	CD4503BE	DIP-16	CMOS hex buffer, 3-st, non-inverting	.47 .353 .265
13485	+	CD4510	DIP-16	BCD up/down counter	.39 .30 .225
895377	TI	CD4511BE	DIP-16	CMOS BCD-to-7 seg. latch decoder/drv.	.51 .386 .325
13493	+	CD4511	DIP-16	BCD-to-7 seg. latch/decoder/driver	.62 .49 .37
13522	+	CD4514	DIP-24	4-bit latch/4-16 line decoder	1.12 .94 .75
13549	+	CD4516	DIP-16	Binary up/down counter	.59 .441 .331
895481	TI	CD4518BE	DIP-16	CMOS dual up counter, hi volt (20V)	.26 .247 .226
13565	+	CD4518	DIP-16	Dual BCD up counters	.44 .33 .24
13581	+	CD4520	DIP-16	Dual binary up counters	.39 .30 .25
13602	+	CD4526	DIP-16	Divide-by-N counter (binary)	.61 .528 .40
13611	+	CD4528	DIP-16	Dual monostable multivibrators	1.14 .98 .73
676431	+	CD4532	DIP-16	8-bit priority encoder	.39 .30 .225
13653	+	CD4538*	DIP-16	Dual precision monostable multivib.	.45 .378 .287
13688	+	CD4541	DIP-14	Oscillator/programmable timer	.43 .343 .261
13696	+	CD4543*	DIP-16	BCD to 7-segment decoder (LCD)	.43 .356 .267
13709	+	CD4553	DIP-16	3-digit BCD counter	2.95 2.51 2.21
13768	+	CD4584*	DIP-14	Hex schmitt triggers	.39 .35 .29
785071	FSC	CD40106BCN	DIP-14	Hex schmitt trigger	.47 .356 .267
44257	+	CD40106	DIP-14	Hex inverters Schmitt trig. (74C14)	.49 .465 .42
893241	TI	CD40107BE	DIP-8	CMOS dual 2-input NAND buffer/driver	.39 .311 .24

*10 pcs. in 4000 series IC cabinet kit, below

4000 Series CMOS IC Kit

SAVE \$13

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	10
84970	300 pcs. 4000 series CMOS IC kit	6.1	\$95.99	\$90.99

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* FSC = Fairchild Semiconductor | TI = Texas Instruments | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

7400 Series

QUANTITY SAVE

*Web Code: XAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1 10 100
910901	TI	SN7400N	DIP-14	Quad 2-input pos. NAND gate	\$1.04 \$.87 \$.69
48979	+	7400N**	DIP-14	Quad 2-input NAND gate	.97 .82 .66
49007	+	7401N	DIP-14	Quad 2-input NAND gate (O.C.)	.77 .73 .71
49015	+	7402N*	DIP-14	Quad 2-input NOR gate	1.09 .99 .89
49040	+	7404N**	DIP-14	Hex inverters	1.09 .89 .80
49074	+	7405N*	DIP-14	Hex inverters (O.C.)	.69 .54 .405
910987	TI	SN7406N	DIP-14	Hex buffer/driver (O.C. hi-volt)	.85 .79 .63
49091	+	7406N	DIP-14	Hex inverter buffer/driver (O.C.)	.68 .63 .61
49120	+	7407N**	DIP-14	Hex buffer/driver (O.C.)	.59 .52 .39
49146	+	7408N*	DIP-14	Quad 2-input AND gate	1.49 1.35 1.25
49189	+	7410N*	DIP-14	Triple 3-input NAND gate	.77 .70 .50
49402	+	7413N	DIP-14	Dual 4-input NAND gate schmitt trig.	1.25 1.12 1.01
49437	+	7414N*	DIP-14	Hex inverters schmitt trigger	.69 .59 .56
49630	+	7416N*	DIP-14	Hex inverter buffer/drivers (O.C.)	1.20 1.01 .60
49728	+	7417N*	DIP-14	Hex buffer/drivers (O.C. hi-volt)	1.15 .97 .58
50008	+	7420N*	DIP-14	Dual 4-input NAND gate	.99 .84 .63
50227	+	7430N*	DIP-14	8-input NAND gate	.62 .58 .435
50235	+	7432N*	DIP-14	Quad 2-input OR gate	.98 .84 .66
50374	+	7442N	DIP-16	BCD-to-decimal decoder	1.69 1.42 1.07
50403	+	7445N	DIP-16	BCD-to-decimal decoder/driver	1.55 1.23 .92
50420	+	7447N*	DIP-16	BCD-to-7 seg. decoder/drv. (L.O.)	1.49 1.29 .99
50526	+	7472N	DIP-14	JK master/slave flip-flop, AND gate	.33 .293 .263
50534	+	7473N	DIP-14	Dual JK flip-flops with clear	1.95 1.75 1.59
50551	+	7474N**	DIP-14	Dual D flip-flops	.79 .68 .51
50577	+	7475N	DIP-16	4-bit bi-stable latch	2.95 2.55 2.25
50593	+	7476N	DIP-16	Dual JK flip-flop w/ preset & clear	2.95 2.65 2.39
50631	+	7483N	DIP-16	4-bit binary full adder	2.95 2.51 2.21
50657	+	7485N*	DIP-16	4-bit magnitude comparator	2.15 1.95 1.75
50665	+	7486N	DIP-14	Quad exclusive-OR gate	1.75 1.59 1.45
50681	+	7489N	DIP-16	64-bit RAM P 50ns	4.05 3.68 3.44
50690	+	7490N	DIP-14	Decade counter	2.95 2.65 2.39
50745	+	7493N	DIP-14	4-bit binary counter	1.75 1.59 1.45
49234	+	74107N*	DIP-14	Dual JK flip-flop with clear	.63 .57 .49
49322	+	74121N	DIP-14	Monostable multivibrator	1.31 1.21 1.05
49357	+	74123N*	DIP-16	Quad retriggerable mono multivib.	1.75 1.53 1.15
49373	+	74125N	DIP-14	Quad bus buffer tri-state	1.39 1.32 1.25
49496	+	74148N	DIP-16	8 to 3 line octal priority encoder	1.24 1.08 .81
49509	+	74150N	DIP-24	16 to 1 line multiplexer	2.15 2.01 1.68
49525	+	74151N*	DIP-16	8-input multiplexer	.75 .63 .472
49550	+	74153N*	DIP-16	Dual 4/1 data selector/multiplexer	1.31 1.12 .85
49568	+	74154N	DIP-24	4 to 16 line decoder/demultiplexer	2.69 2.32 1.74
49605	+	74157N*	DIP-16	Quad 2/1 data selector	.99 .84 .63
49648	+	74160N*	DIP-16	Decade counter with asynch clear	.57 .52 .46
49664	+	74161N	DIP-16	Synch. 4-bit counter w/ direct clear	.83 .77 .69
49672	+	74163N	DIP-16	Fully synchronous 4-bit counter	.79 .69 .59
49681	+	74164N	DIP-14	8-bit serial shift register	.94 .80 .60
49795	+	74175N*	DIP-16	Quad D-type flip-flop with clear	1.35 1.29 1.04
49832	+	74180N	DIP-14	9-bit odd/even parity generator/checker	2.89 2.46 1.84
49883	+	74189N	DIP-16	64-bit RAM tri-state	3.19 2.75 2.17
49904	+	74191N	DIP-16	Binary up/down counter	2.15 1.82 1.37
49912	+	74192N	DIP-16	Decade up/down counter w/ clear	4.25 3.85 3.49
49939	+	74193N	DIP-16	Binary up/down counter w/ clear	2.79 2.65 2.52
49955	+	74194N	DIP-16	4-bit bi-directional shift register	1.75 1.49 1.12

*10 pcs./ *20 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953	350 pcs. 7400 IC kit	6.2	\$179.99	\$161.99

SAVE \$138



74C Series

QUANTITY
SAVE

★ Web Code: RAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
44222	+	74C00N	DIP-14	Quad 2-input NAND gate	\$1.15	\$.91	\$.68
44257	+	74C14N	DIP-14	Hex inverter Schmitt trig. (CD40106)	.49	.465	.42
44441	+	74C74N	DIP-14	Dual D-type flip-flop	2.25	1.80	1.35
44361	+	74C221N	DIP-16	Dual monostable multivibrator	3.65	2.95	2.30
871869	FSC	MM74C922N	DIP-18	16-key encoder	6.15	5.74	5.38
44564	+	74C922N	DIP-18	16-key keyboard encoder	6.05	5.55	5.15
44572	+	74C923N	DIP-20	20-key keyboard encoder	8.75	7.44	5.58
44599	+	74C926N	DIP-18	4-digit CTR w/ mux. D-seg. driver	12.95	10.94	8.29

74S Series

NEW
MARKED BY FSC

Please Note: Manufacturer may vary

★ Web Code: NCK

Part No.	Cross Ref.	Pkg.	Description	1	10	100
48266	74S02	DIP-14	Quad 2-input NOR gate	\$.59	\$.49	\$.45
48303	74S08	DIP-14	Quad 2-input AND gate	.59	.49	.45
48573	74S20	DIP-14	Dual 4-input NAND gate	.69	.59	.49
48750	74S32	DIP-14	Quad 2-input OR gate	.59	.49	.45
48557	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	4.75	4.61	3.45
48696	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	12.95	11.65	9.95
48717	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	8.95	8.05	7.25
48805	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	3.15	2.56	2.22
52513	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49



Dallas Semiconductor

QUANTITY
SAVE

★ Web Code: ODH

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
866584	DS275	DIP-8	Line powered RS-232 transceiver chip	\$5.35	\$4.22	\$3.80
114198	DS1210	DIP-8	NV controller chip	4.55	2.66	2.19
114219	DS1213C	DIP-28	Smart socket	22.45	19.08	14.31
133410	DS1216C	DIP-28	Smart watch/RAM	30.55	25.14	18.59
780220	DS1232+R	DIP-8	Micromonitor chip	1.85	1.38	1.31
114331	DS1232LP	DIP-8	Micromonitor chip	1.85	1.34	1.02
697231	DS1243Y-120+R	PDIP-28	64k NV SRAM w/ phantom clock	41.59	31.85	28.79
133444	DS1286*	DIP-28	Watchdog timekeeper	22.15	16.90	12.67
76646	DS1287*	DIP-24	Real time clock chip	8.69	7.38	6.64
176778	DS1302	DIP-8	Trickle charge time keeping	3.19	2.44	1.48
780481	DS1302+R	PDIP-8	Trickle charge time keeping chip, C-temp	4.55	3.78	3.61
1194679	DS1307R	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	3.59	2.79	2.43
114382	DS1620	DIP-8	Digital thermometer and thermostat	6.89	5.20	3.15
865936	DS18B20	TO-92	Prog. resolution 1-wire digital thermometer	4.45	3.89	3.31
133452	DS12887*	DIP-24	Real time clock chip	6.95	6.25	4.95
1194556	DS12887+R	MOD-24	Real time clock, C-temp	7.09	5.63	5.28

★ Pull = Extra Savings

MPU Supervisory

Please Note: Manufacturer may vary

★ Web Code: PAN

Part No.	Cross Ref.	Pkg.	Description	1	10	100
106219	MAX690CPA	DIP-8	Watchdog timer, 4.4V	\$3.95	\$3.55	\$3.20
106227	MAX691CPE	DIP-16	Watchdog timer, 4.65V	6.35	4.28	3.21

★ 65LVDS Series Available Online — Enter Web Code UEU

Interface Series

★ Web Code: RBU

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	\$9.35	\$6.45
832448	NSC	DS26LS32ACM/NOPB	SOIC-16	Quad differential line receiver	1.59	1.15
241824	+	MC14489BP	DIP-20	5V, 7-segment LED display driver	3.89	3.26
277940	+	SN75179BP	DIP-8	5V, diff line driver/receiver	.90	.83
51027	+	SN75451AN	DIP-8	7V, dual peripheral AND driver	.90	.81
277974	+	SN75183N	DIP-14	5V, dual diff line driver	2.05	1.79
51131	+	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.45

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* FSC = Fairchild Semi | INS = Intersil | MAX = Maxim Semi | NSC = National Semi | NXP = NXP/Philips Semi | TI = Texas Instruments | ♦ = Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

RS-232 Drivers/Receivers

★ Web Code: EAV

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
142535	+	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	\$2.65	\$2.10
244232	+	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	1.65	1.38
808000	MAX	MAX202CSE+R	SOIC-16	+5V dual RS-232 trans. w/ 0.1µF ext. cap	2.95	1.81
244241	+	MAX202EPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	5.79	5.08
875448	INS	HIN232CP	DIP-16	5V hi spd RS-232 transmitter/receiver	.79	.67
808827	MAX	MAX232ACSE+R	SOIC-16	+5V pwr'd multi-ch drv'r/recvr, C-temp	4.75	3.72
318959	MAX	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.89	1.76
24811	+	MAX232CPE*	DIP-16	5V, 200kbps, multichannel	2.75	2.25
106147	+	MAX232CWE	SOIC-16	5V, 120kbps, multichannel	2.75	2.16
256401	+	MAX232DR	SOIC-16	5V, 120kbps, dual driver/receiver	.93	.80
882293	MAX	MAX232ECPE	DIP-16	±15kV ESD-protected, +5V RS-232 trans.	4.15	3.08
106155	+	MAX232EPE	DIP-16	5V, 120kbps, multichannel	3.95	3.15
903277	TI	MAX232IN	DIP-16	Dual EIA-232 driver/receiver, I-temp	.79	.73
698576	TI	MAX232N	DIP-16	Dual EIA-232 driver/receiver, C-temp	.75	.64
106163	+	MAX233CPP	DIP-20	5V, 120kbps, multichannel	6.19	4.99
106171	+	MAX235CPG	DIP-24	5V, 120kbps, multichannel	14.05	11.15
106180	+	MAX238CNG	DIP-24	5V, 120kbps, multichannel	6.99	6.09
828043	TI	MC1488N	DIP-14	Quad line driver	.54	.431
23157	+	DS1488N*	DIP-14	15V, quad line driver	.40	.32
16379	+	DS14C89N	DIP-14	5V, quad line receiver	1.19	1.10
698613	TI	MAX3232CD	SOIC-16	3-5.5V multich RS-232 line drv'r/rec w/ ±15kV ESD	1.49	1.27
276867	+	MAX3232CSE	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	3.35	2.02
235301	+	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/receiver	2.55	1.96
23181	+	SN75189N*	DIP-14	5V, quad line receiver	.29	.221
917273	NXP	MC145406N	DIP-16	EIA-232-D/V.28 drv'r/recvr, C-temp	.80	.68
25099	+	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/receiver	1.95	1.75

* 10 pcs. in Linear series IC cabinet kit, pg 15

RS-422/423/485 Drivers/Receivers

★ Web Code: NBT

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
299807	+	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	\$1.33	\$1.17
244195	+	MAX1487CP	DIP-8	RS-485/422 LP transceiver, 12V	2.75	1.61
39571	+	26LS30	DIP-16	RS-422/423 line driver, 5V	2.39	2.05
144039	NSC	DS3695N	DIP-8	Multipoint RS-422/423 trans, 5V	.95	.85
50956	+	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V	.96	.74
758364	TI	SN75176AP	DIP-8	RS-422 Differential bus transceiver	.78	.57
891149	NSC	DS75176BN	DIP-8	Multipoint RS-485/422 transceiver	1.69	1.23
50964	+	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.65	.55
833109	NSC	DS75176BN/NOPB	DIP-8	Multipoint RS-485/422 transceiver	1.49	1.08

★ IEEE-1394 Available Online — Enter Web Code KEN

★ Motion Control Available Online — Enter Web Code DEU

Motor/Display Drivers

★ Web Code: DAD

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
25216	MC3479P	DIP-16	7.2-16.5V, stepper motor driver	\$3.79	\$3.22	\$2.55
24230	LM3914N	DIP-18	25V, dot/bar display driver	2.39	2.05	1.94
300003	LM3914N-1	DIP-18	25V, dot/bar display driver	1.95	1.85	1.57
901010	LM3914N-1/NOPB	DIP-18	25V, dot/bar display driver	1.55	1.40	1.31
246625	LM3914V	PLCC-20	25V, dot/bar display driver	3.25	2.59	1.81
24256	LM3915N	DIP-18	25V, dot/bar display driver	2.65	1.94	1.43
901061	LM3915N-1	DIP-18	3dB/step, 30dB range dot/bar display driver	2.79	2.09	1.55
24272	LM3916N	DIP-18	3-25V, dot/bar display driver	2.39	1.99	1.82
901108	LM3916N-1	DIP-18	25V, dot/bar display driver	1.69	1.51	1.35

★ 74CBLV Series Available Online — Enter Web Code QAK

★ 74AS Series Available Online — Enter Web Code SAK

Digital Interface

QUANTITY
SAVE

★ Web Code: WBB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	50
171951	EDE702	DIP-18	Serial LCD interface	\$8.95	\$7.95	\$6.95
321710	EDE707	DIP-28	Octal 7-segment LED display decoder ..	8.99	7.64	5.73
171969	EDE1144	DIP-18	Keypad encoder	7.95	6.95	5.95
141532	EDE1200	DIP-18	Unipolar stepper motor controller	8.95	7.95	6.95
157526	EDE1204	DIP-18	Bipolar stepper motor controller	7.55	6.35	5.35
321736	EDE2008	DIP-18	Pushbutton debouncer w/ 8-independent chan ..	5.99	5.09	3.82
321761	EDE2208/P	DIP-18	8-pushbutton momentary to toggle	5.95	5.06	4.55

5000 Series & Clock Chips

QUANTITY
SAVE

★ Web Code: RAE

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	50
32803	+	TCM5089N	DIP-16	Touch tone generator	\$5.75	\$5.25	\$4.75
26171	+	MM5450N	DIP-40	LED display driver	3.69	3.16	2.37
27422	+	LM555CN*	DIP-8	Timer	.29	.23	.20
126797	+	LMC555CN*	DIP-8	CMOS timer	.66	.61	.458
24328	+	LM556N*	DIP-14	Dual timer	.82	.60	.45
25101	+	MC146818*	DIP-24	Real time clock with RAM	10.45	9.45	7.95
10567	AMD	AM9513APC*	DIP-40	Real time clock	39.95	35.95	31.85

* 10 pcs./** 20 pcs. in Linear series IC cabinet kit, pg 15 ★ Pull = Extra Savings

★ Delay Lines Available Online — Enter Web Code EEU

★ Quick Switches Available Online — Enter Web Code FAH

★ EconoResets Available Online — Enter Web Code YFE

UARTs

QUANTITY
SAVE

★ Web Code: MAG

Part No.	Mfr.	Cross Ref.	Pkg.	Description	1	10	100
43158	+	6402*	DIP-40	5V CMOS	\$7.49	\$6.42	\$5.99
27570	+	NS16C450N*	DIP-40	Asynch. comm. element, 5V	2.95	2.59	1.95
27596	+	NS16550AN*	DIP-40	Asynch. comm. element, 5V	6.75	5.10	3.85
288809	+	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	2.79	2.27	1.79

★ Pull = Extra Savings

★ MUX/DEMUXs Available Online — Enter Web Code RAB

Encoders/Decoders

★ Web Code: VAR

Part No.	Mfr.	Part No.	Pkg.	Description	1	10	100
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	\$1.69	\$1.49	\$1.29
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.69	1.49	1.29
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.65	2.40

Stepper Motor Drivers/Controllers

★ Web Code: GDP

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
924545	L293DD	SOIC-20	Push pull 4-ch driver w/ diodes	\$15.09	\$13.60	\$9.95
288067	L2971	DIP-20	Stepper motor controller, 5V	5.19	4.99	4.46
245403	L298N	MW-15	Dual full-bridge driver, 46V	3.05	2.65	2.45
288091	L6202	DIP-18	DMOS full bridge driver, 48V	5.79	5.24	4.68
288104	L6203	MW-11	DMOS full bridge driver, 48V	9.99	9.32	6.95

KAE Servo Controller

★ Web Code: YBC

PIC-SERVO SC Servo Motion Control I.C.

Controller operates from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Mfr.	Part No.	Package	1	10	25
323934	KAE	TOV10-DP	DIP-28, 0.3"	\$29.95	\$28.95	\$26.95

♣ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* ADI = Analog Devices | AMD = Advanced Micro | ANA = Anachip | HOL = Holtek | INS = Intersil | MAX = Maxim | MOT = Motorola | NSC = National | SAM = Samsung | TI = Texas Instruments | + Mfr. Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

A/D & D/A Converters

QUANTITY
SAVE

★ Web Code: QAG

Part No.	Mfr.	Product No.	Pkg.	Description	1	10	100
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50Sps, 2-ch	\$13.15	\$10.43	\$8.70
10145	+	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	4.29	3.65	2.74
10153	+	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	2.09	1.84	1.46
828342	NSC	ADC0804LCN/NOPB	DIP-20	A/D, 8-bit μ P compatible (± 1 LSB)	2.89	2.27	1.66
10170	+	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.39	3.99	3.09
10188	+	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	3.85	3.08	2.31
10225	+	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5 μ s	3.19	2.41	2.16
831066	NSC	ADC0820CCN/NOPB	DIP-20	A/D, 8-bit hi-spd μ P, w/ track/hold	3.25	2.89	2.17
116100	+	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32 μ s	1.99	1.66	1.25
831171	NSC	ADC0831CCN/NOPB	DIP-8	A/D, 8-bit, 5V, 32 μ s	2.19	1.58	1.40
1252488	NSC	ADC0838CCN/NOPB	DIP-20	A/D, 8-bit serial, 5V, 32 μ s	2.65	2.05	1.55
43748	+	7106CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 9V	2.59	2.21	1.65
43756	+	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ± 5 V	2.95	2.40	2.05
875683	INS	ICL7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 6V	3.29	3.06	2.87
290263	+	ICL7135CPI	DIP-28	A/D, 4 1/2-digit BCD output, 5V	5.55	4.53	3.40
287363	ADI	AD7714AN	DIP-24	A/D, 24-bit, 5V, 1-2.5MHz, 6-ch	19.75	18.95	18.65
1795108	ADI	AD9240ASZ	MOF-44	A/D, 14-bit, flash method, parallel	36.49	32.56	30.93
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Msps, triple	5.55	4.53	3.40
115158	+	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3 μ s, 1-ch	13.69	10.88	9.05
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.59	1.20	.89
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.65	1.26	.66
128186	NSC	DAC0832LCN	DIP-20	D/A, 8-bit, 5-15V, 1 μ s	3.95	3.59	3.25
296690	+	AD7226KN	DIP-20	D/A, 8-bit, 2-12.5V, 4 μ s, 4-ch	18.19	17.17	15.95
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.25	2.59	1.92

★ Analog Switches Available Online — Enter Web Code VBN

Voltage Reference

Part No.	Mfr.	Part No.	Pkg.	Description	1	10	100
1727746	LT	LT1021DCN8-5	DIP-8	Precision reference	\$4.95	\$4.75	\$4.58

★ More Voltage References Available Online — Enter Web Code TBD

★ DC-DC Controllers Available Online — Enter Web Code VFL

Simple Switcher Voltage Regulators

★ Web Code: VAX

Part No.	Mfr.	Product No.	Pkg./Pins	Description	1	10
156566	+	LM2574N-5.0	DIP-8	Step-down 5-voltage regulator	\$1.55	\$1.39
279638	NSC	LM2575HVT-5.0	TO-220/5	Switcher 1A step-down V-reg, hi Vin range	3.95	3.74
836001	NSC	LM2575S-5/NOPB	TO-263/5	Simple switcher 1A step-down volt. reg.	1.79	1.37
894534	NSC	LM2575T-5/NOPB	TO-220/5	Simple switcher 1A step-down volt. reg.	1.75	1.28
894500	NSC	LM2575T-5.0/LB03	TO-220/5	1A, 5V step-down voltage regulator	2.65	2.12
836078	NSC	LM2575T-ADJ/NOPB	TO-220/5	Simple switcher 1A step-down volt. reg.	1.79	1.27
192372	+	LM2576HVT-ADJ	TO-220/5	Switcher 3A step-down V-reg, high Vin range	5.19	3.83
245569	+	LM2576T-5.0	TO-220/5	Simple switcher 3A step-down voltage reg.	2.59	2.07
894817	NSC	LM2576T-5.0/LB03	TO-220/5	Simple switcher 3A step-down, 1-temp	3.05	2.41
120977	+	LM2576T-ADJ	TO-220/5	Simple switcher 3A step-down voltage reg.	2.55	1.88
1298751	NSC	LM2675M-5.0/NOPB	SOIC-8	Pwr. conv. hi-eff 1A step-down volt. reg.	3.55	2.71

Low Drop-Out Voltage Regulators

QUANTITY
SAVE

★ Web Code: MBT

Part No.	Mfr.	Product No.	Pkg./Pins	Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220/3	5A low dropout adj. pos.	\$2.39	\$1.85	\$1.35
299735	NSC	LM1084IT-3.3	TO-220/3	5A low dropout 3.3V pos.	3.09	2.35	1.79
282757	+	LT1085CT	TO-220/3	3A low dropout adj./fixed pos.	1.79	1.62	1.21
192305	+	LM1086CT-3.3	TO-220/3	1.5A low dropout pos. (3.3V)	1.20	.89	.79
192313	+	LM1086CT-5.0	TO-220/3	1.5A low dropout pos. (5V)	1.95	1.51	.90
835631	NSC	LM1086CT-ADJ/NOPB	TO-220/3	1.5A adj. LDO pos, C-temp	1.65	1.52	1.30
251782	NSC	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear	.78	.66	.50
242114	+	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO	.83	.76	.68
314326	ANA	AP1184K5L	TO-263/5	4A ultra LDO adj. reg.	2.95	2.45	1.95

Continued on next page



Low Drop-Out Voltage Regulators (Cont.)

★ Web Code: MBT

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
897188	NSC	LM2937ET-3.3	TO-220/3	500mA, 3.3V LDO, I-temp	\$2.45	\$1.81	\$1.32
297810	NSC	LM2937ET-5.0	TO-220/3	500mA, 5V LDO	1.35	1.19	.99
107182	+	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.39	1.05	.77
897381	NSC	LM2940CT-5.0	TO-220/3	1A, 5V LDO pos	1.26	.94	.78
192495	+	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.49	1.27	1.12
837505	NSC	LM2940T-5.0	NOBPB	1A, 5V LDO, I-temp	1.79	1.34	.99
121064	+	LM2941CT	TO-220/5	1A LDO adjustable (45Vin)	1.55	1.12	.84
1944880	+	LP2950ACN	TO-92/3	100mA adj. LDO volt. reg.	.29	.25	.19
266757	+	LP2950CZ-5.0	TO-92/3	100mA low pwr. LDO	.84	.63	.328
121110	+	LP2951ACP	DIP-8	Adjustable μ power volt-reg.	.49	.39	.25
1315492	ON	LM2951CN-3.0	DIP-8	3V, 100mA LP LDO (I-temp)	.39	.29	.25
192524	+	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.95	1.46	1.09
252241	+	MIC29152BU	TO-263/5	High current LDO	2.19	2.13	1.45

Voltage Regulators

QUANTITY SAVE

★ Web Code: TAC

* Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
23499	+	LM309K	TO-3/2	5V, 1A (0°C to +125°C)	\$5.89	\$5.01	\$3.76
192268	+	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	1.75	1.25	.95
837898	NSC	LM317AT/NOBPB	TO-220/3	3-term. 1.5A output adj pos, I-temp	.99	.74	.68
898359	NSC	LM317EMP	SOT-223/4	3-term. 1A output adj pos, C-temp	.61	.57	.516
192276	+	LM317HVT	TO-220/3	3-terminal adj. (1.2V-57V)	1.99	1.68	1.26
837927	NSC	LM317HVT/NOBPB	TO-220/3	3-term. 1A output adj pos, C-temp	1.79	1.32	1.16
23544	+	LM317K	TO-3/2	1.5A adj. pos. (1.2V-37V)	2.49	2.40	1.80
23552	+	LM317LZ	TO-92/3	100mA adj. pos. (1.2V-37V)	.46	.328	.261
898543	NSC	LM317LZ/NOBPB	TO-92/3	Adjustable, 100mA positive	.37	.279	.242
23579	+	LM317T	TO-220/3	1.5A adj. pos. (1.2V-37V)	.45	.39	.293
898800	NSC	LM317T/NOBPB	TO-220/3	Adjustable, 1.5A positive	1.01	.94	.88
23667	+	LM323K	TO-3/2	5V 3A positive	3.05	2.89	2.41
296841	+	LM337LZ	TO-92/3	3-terminal adj. neg.	.90	.69	.50
23819	+	LM337T	TO-220/3	1.5A/adj. neg. (-1.2V-37V)	.59	.55	.44
899520	NSC	LM337T/NOBPB	TO-220/3	1.5A adjustable negative	1.22	.90	.83
23835	+	LM338K	TO-3/2	5A adj. pos. (1.2V-32V)	5.69	4.47	3.74
192284	+	LM338T	TO-220/3	5A adjustable	2.39	1.78	1.19
838621	NSC	LM338T/NOBPB	TO-220/3	5A adjustable positive	2.09	1.60	1.50
900017	NSC	LM340T-5.0	TO-220/3	5V, 1A positive, I-temp	1.02	.91	.83
838831	NSC	LM340T-15/NOBPB	TO-220/3	3-terminal 15V pos, C-temp	.93	.69	.64
23931	+	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V)	4.85	4.12	3.64
23940	+	LM350T	TO-220/3	3A adjustable power	1.09	.89	.67
24467	+	LM723CN	DIP-14	Voltage regulator (2V-37V)	.61	.49	.37
301719	+	LM723H	TO-5/10	2V - 37V, 150mA adj.	5.39	4.56	3.42
107166	NSC	LM2936Z-5	TO-92/3	Ultra-low quiescent current 5V	2.59	1.93	1.45
51246	+	7805K	TO-3/2	5V 1A pos. (LM340K-5)	5.15	3.95	2.95
51262	+	7805T	TO-220/3	5V 1A pos. (LM340T-5)	.35	.32	.28
924570	ST	L7805ACV	TO-220/3	5V, 1.5A pos.	.71	.56	.42
924609	ST	L7805CT	TO-3/2	5V, 1.5A pos.	2.69	2.57	1.87
924633	ST	L7805CV	TO-220/3	5V, 1.5A pos.	.59	.47	.35
902071	NSC	LM7805CT	TO-220/3	5V, 1A positive	.98	.92	.86
786138	FSC	LM7805CT	TO-220/3	5V, 1A pos., I-temp	.64	.54	.40
876109	ON	MC7805BT	TO-220/3	5V, 1A pos., I-temp	.48	.432	.363
876125	ON	MC7805BTG	TO-220/3	5V, 1A pos., I-temp	.31	.255	.236
876221	ON	MC7805CT	TO-220/3	5V, 1A pos., C-temp	.43	.416	.374
876248	ON	MC7805CTG	TO-220/3	5V, 1A pos., C-temp	.32	.26	.195
51182	+	78L05CZ	TO-92/3	5V 100mA pos.	.29	.26	.25
889428	ST	L78L05ACZ	TO-92/3	5V, 100mA pos.	.53	.423	.318
902291	NSC	LM78L05ACZ	TO-92/3	5V, 100mA positive	.72	.52	.377
973831	FSC	LM78L05ACZ	TO-92/3	5V, 100mA pos., I-temp	*	.168	.151
1303290	NSC	LM78L05ACZ/NOBPB	TO-92/3	3-terminal 5V, 100mA pos	.71	.52	.37
192233	+	78M05	TO-220/3	5V 500mA pos.	.25	.21	.20

*10 pcs./ **20 pcs. included in Linear kit, pg 15

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* ANA = Anachip | FSC = Fairchild Semi | NSC = National Semi | ON = ON Semi | ST = ST Micro | + Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161

Voltage Regulators (Continued)

QUANTITY SAVE

★ Web Code: TAC

* Order in multiples of 10

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
902514	NSC	LM78M05COT/NOBPB	TO-252/3	3-terminal 5V positive	\$.74	\$.69	\$.65
51297	+	7806T	TO-220/3	6V 1A pos. (LM340T-6)	.43	.386	.227
51300	+	7808T	TO-220/3	8V 1A pos. (LM340T-8)	.56	.36	.27
840886	NSC	LM7808CT/NOBPB	TO-220/3	8V, 1A positive, I-temp	1.23	1.09	.95
876791	ON	MC78L08ACPG	TO-92/3	8V, 100mA pos., C-temp	.34	.234	.211
876352	ON	MC7809CT	TO-220/3	9V, 1A pos., C-temp	.56	.466	.373
192225	+	78L09ACZ	TO-92/3	9V 100mA pos.	*	.23	.17
51318	+	7812K	TO-3/2	12V 1A pos. (LM340K-12)	2.19	1.80	1.35
51334	+	7812T	TO-220/3	12V 1A pos. (LM340T-12)	.35	.32	.24
889305	ST	L7812CV	TO-220/3	12V, 1.5A pos.	.48	.43	.384
902127	NSC	LM7812CT	TO-220/3	12V, 1A positive	1.05	.90	.85
876395	ON	MC7812BTG	TO-220/3	12V, 1A pos., I-temp	.43	.397	.30
876441	ON	MC7812CTG	TO-220/3	12V, 1A pos., C-temp	.39	.335	.265
51203	+	78L12	TO-92/3	12V 100mA pos.	*	.12	.09
902389	NSC	LM78L12ACZ	TO-92/3	3-terminal 12V positive	.50	.35	.29
192241	+	78M12	TO-220/3	12V 500mA pos.	.71	.64	.58
51369	+	7815K	TO-3/2	15V 1A pos. (LM340K-15)	1.55	1.43	.92
51377	+	7815T	TO-220/3	15V 1A pos. (LM340T-15)	.32	.272	.204
902151	NSC	LM7815CT	TO-220/3	3-terminal 15V	.94	.80	.76
51414	+	7824T	TO-220/3	24V 1A pos. (LM340T-24)	.39	.356	.267
51457	+	7905T	TO-220/3	-5V 1A neg. (LM320T-5)	.48	.40	.349
902637	NSC	LM7905CT	TO-220/3	3-terminal -5V negative	.77	.73	.68
877179	ON	MC7905CTG	TO-220/3	-5V, 1A neg., C-temp	.44	.372	.294
51422	+	79L05	TO-92/3	-5V 100mA neg.	.35	.261	.181
1305287	NSC	LM79L05ACZ/NOBPB	TO-92/3	3-terminal -5V negative	*	.347	.274
877216	ON	MC7908CTG	TO-220/3	-8V, 1A neg., C-temp	.40	.338	.25
51481	+	7912T	TO-220/3	-12V 1A neg. (LM320T-12)	.35	.298	.224
902661	NSC	LM7912CT	TO-220/3	3-terminal -12V negative	.77	.72	.68
902864	NSC	LM79L12ACZ	TO-92/3	3-terminal -12V negative	.41	.385	.305
877275	ON	MC7912CTG	TO-220/3	-12V, 1A neg., C-temp	1.59	1.45	1.30
51502	+	7915T	TO-220/3	-15V 1A neg. (LM320T-15)	.32	.272	.204

*10 pcs./ **20 pcs. included in Linear kit, pg 15

★ Power Drivers & Modules Available Online — Enter Web Code REK



Switching Regulators

★ Web Code: DEN

Part No.	*Mfr.	Product No.	Pkg./Pin	Description	1	10	100
1728790	LT	LT1074HVC	TO-220/7	5.5A 100kHz step-down	\$14.59	\$13.66	\$12.99
1742524	LT	LT1959CS8/PBF	SOIC-8	4.5A 500kHz step-down, C-temp	10.99	8.82	7.60

★ Hot Swap Controller Available Online — Enter Web Code JAX

Audio Amps

QUANTITY SAVE

★ Web Code: MBP

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
243678	ANA	OP275GP	DIP-8	Dual JFET audio op amp.	\$2.45	\$1.78	\$1.48
24037	NSC	LM380N	DIP-14	2-watt, power amp.	1.46	1.15	.57
24088	+	LM383T	TO-220/5	7-watt, high power	5.95	5.39	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amp.	1.55	1.15	.79
839586	NSC	LM384N/NOBPB	DIP-14	5-watt audio power amp.	1.29	.96	.85
24125	+	LM386N-1	DIP-8	Low voltage, 250mW/6V	.68	.51	.42
839826	NSC	LM386N-1/NOBPB	DIP-8	Low voltage audio power amp.	1.09	.79	.57
24133	+	LM386N-3	DIP-8	Low voltage, 500mW/9V	.69	.59	.49
295718	NSC	LM1203N	DIP-28	RGB video amp.	5.69	4.85	3.65
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	2.49	2.25	2.05
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	1.25	1.13	.77
245542	NSC	LM1881M	SOIC-8	Video synchronous separator	2.75	2.18	1.52

*10 pieces included in Linear kit, pg 15

Continued on next page

Audio Amps (Continued)

* Web Code: MBP

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
107140	NSC	LM1881N	DIP-8	Video synchronous separator	\$2.85	\$2.19	\$1.66
1416999	ST	TDA2030V	PWAT-5	14W hi-fi audio amp.	2.05	1.92	1.66
275830	TI	OPA2134PA	DIP-8	High performance audio op amp.	2.29	2.01	1.81
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.49	4.02	3.60
315344	ST	TDA2040V	PWAT-5	20W hi-fi power	2.09	1.95	1.85
320670	NSC	LM3886TF	TO-220/11	68W high perf., isol. pkg.	6.49	5.12	3.92
192516	NSC	LM3886T	TO-220/11	68W high perf.	6.09	5.18	3.89
302201	NSC	LM4752T	TO-220/7	Stereo 11W audio power amp.	2.59	1.92	1.40
316873	MOT	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.29	.99	.89
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	1.35	.97	.73

Instrumentation Amp

* Web Code: NDA

Part No.	Mfr.	Part No.	Pkg./Pins	Description	1	10	100
825934	INA126PA	DIP-8		µPwr instrumentation amp	\$2.25	\$1.78	\$1.73

Comparators

QUANTITY
SAVE

* Web Code: EBS

* Order in multiples of 10							
Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
282087	+	LM139J	CDIP-14	Low pwr, low offset volt quad.	\$4.09	\$3.45	\$2.59
23528	+	LM311N*	DIP-8	Voltage comparator	.35	.298	.224
837812	NSC	LM311N/NOPB	DIP-8	Voltage comparator	.85	.61	.441
143888	+	LM339AN	DIP-14	Low power quad comparator	.31	.29	.25
193594	+	LM339M	SOIC-14	Low pwr low offset volt quad	* .208	.156	
826742	TI	LM339N	DIP-14	Quad differential comparator	.44	.356	.267
23851	+	LM339N**	DIP-14	Quad comparator	* .19	.165	
120900	+	LM392N	DIP-8	Low power op amp./volt comp.	.80	.72	.65
24281	+	LM393N*	DIP-8	Dual comparator	* .19	.16	
903007	TI	LM393P	DIP-8	Dual differential comp., C-temp	.39	.306	.207
107238	+	LM3302N	DIP-14	Low pwr low offset volt quad	.47	.392	.326
1944741	ST	TS3721IN	DIP-8	LP dual CMOS volt (I-temp)	.39	.35	.25

*10 pcs./**20 pcs. included in Linear kit, pg 15

Buffers

* Web Code: WBR

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
277552	TI	BUF634P	DIP-8	250mA high speed buffer	\$5.99	\$5.59	\$5.29
277544	TI	BUF634T	TO-220/5	250mA high speed buffer	9.55	8.95	7.95
23051	+	LH0002CN	DIP-10	General purpose buffer	13.75	11.48	8.91

Amplifiers

* Web Code: EEN

Part No.	Mfr.	Part No.	Pkg.	Description	1	10	100
1778068	AD524AD	CDIP-16		Precision instrumentation amp	\$24.75	\$21.95	\$19.95
1780862	AD620ANZ	DIP-8		Low cost, LP instrumentation amp	6.89	6.28	5.70
1781021	AD624AD	CDIP-16		Precision instrumentation amp	28.35	24.60	23.68
1805943	ADXL213AE	LCC-8		5V, low cost ±2g dual-axis accelerometer	23.15	20.65	19.65

Op Amps

QUANTITY
SAVE

* Web Code: WAD

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
27852	+	OP07CP	DIP-8	Ultra-low offset voltage	\$6.69	\$5.59	\$5.18
828529	TI	OP07DD	SOIC-8	Precision op amp, C-temp	.78	.67	.397
252988	+	OP07DP	DIP-8	Very low offset single bipolar	.70	.59	.474
23106	+	LM10CLN	DIP-8	Low voltage (1.1 volt)	2.35	1.77	1.49
120715	+	LM10CN	DIP-8	Op amp and voltage reference	2.45	1.90	1.43
120723	NSC	LM12CLK	TO-3/4	80W op amp	25.95	23.95	20.95
275805	TI	OPA27GP	DIP-8	Ultra-low noise precision	3.95	3.36	2.96
275784	TI	OPA27GU	SOIC-8	Ultra-low noise precision	2.19	1.95	1.75
115300	+	OP27EP	DIP-8	Low noise precision op amp	4.39	3.57	2.67
115318	+	OP27GP	DIP-8	Low noise prec. (-40° to 80°C)	2.29	1.83	1.45
1944812	ST	TL27L2IN	DIP-8	Prec. very low pwr CMOS dual	.59	.49	.35
214068	+	TL034CN	DIP-14	Enhanced low power/offset	1.03	.94	.87
275768	+	OPA37GP	DIP-8	Ultra-low noise precision	2.15	2.05	1.65
821676	TI	TL0511P	DIP-8	Enhanced JFET low offset	.39	.29	.25

Op Amps (Continued)

QUANTITY
SAVE

* Web Code: WAD

* Order in multiples of 10							
Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
33187	+	TL071CP	DIP-8	Low noise JFET op amp.	\$3.39	\$3.02	\$2.3
759762	TI	TL072ACD	SOIC-8	Low noise JFET input op amp	.55	.45	.405
33195	+	TL072CP*	DIP-8	Low noise JFET dual op amp.	.48	.454	.435
33216	+	TL074CN*	DIP-14	Low noise JFET quad op amp.	.58	.516	.41
213057	+	TL081ACP	DIP-8	JFET input, low offset w/ control	.66	.504	.279
33232	+	TL081CP	DIP-8	JFET input, offset control	.47	.356	.285
214076	+	TL082ACP	DIP-8	JFET input, low offset	.66	.51	.37
33241	+	TL082CP*	DIP-8	JFET input dual op amp.	.53	.403	.269
214084	+	TL084ACN	DIP-14	JFET input op amp.	.73	.55	.307
193535	+	TL084CD	SOIC-14	JFET input quad op amp.	.33	.276	.208
33267	+	TL084CN*	DIP-14	JFET input quad op amp.	.50	.425	.346
760149	TI	TL084ID	SOIC-14	JFET input op amp	.77	.59	.441
245673	+	LM308AH	TO-5/8	Precision op amplifier	5.09	3.78	3.24
23464	+	LM308N*	DIP-8	Precision op amplifier	6.59	5.95	5.35
23608	NSC	LM318N	DIP-8	Precision high speed	.79	.72	.65
212169	+	LM324AN	DIP-14	Low pwr quad, impr. offset	.35	.30	.25
838233	NSC	LM324AN/NOPB	DIP-14	Low power quad op amp	.64	.57	.52
899335	NSC	LM324M	SOIC-14	Low power quad op amp	.45	.378	.341
23683	+	LM324N**	DIP-14	Low pwr quad op amp	.28	.24	.21
838284	NSC	LM324N/NOPB	DIP-14	Low power quad op amp	.64	.57	.52
826671	TI	LM324NE4	DIP-14	Quad op amp	.26	.23	.19
22904	+	LF347N	DIP-14	Quad JFET input (wide band)	.67	.50	.378
23915	+	LM348N	DIP-14	Quad 741 op amp (UPC4741C)	.37	.302	.226
22912	+	LF351N	DIP-8	BIFET op amplifier	.39	.35	.263
22939	+	LF353N*	DIP-8	Dual BIFET (comp w/ TL082CP)	.48	.437	.402
901853	TI	LF353P	DIP-8	JFET input dual, C-temp	.52	.392	.294
22971	NSC	LF356N*	DIP-8	JFET input (wide band)	.95	.81	.59
120862	+	LM358AN	DIP-8	Low pwr dual (improved 358N)	.34	.289	.25
839332	NSC	LM358AN/NOPB	DIP-8	Low power dual op amp	.99	.74	.53
23966	+	LM358N*	DIP-8	Low pwr dual op amplifier	* .21	.18	
839367	NSC	LM358N/NOPB	DIP-8	Low power dual op amp	1.09	.79	.57
1944732	ST	LS404CN	DIP-14	High performance quad	.49	.39	.25
901896	TI	LF411CD	SOIC-8	JFET input, C-temp	.50	.421	.372
23018	+	LF411CN*	DIP-8	Low offset drift JFET input	1.35	1.00	.75
835500	NSC	LF411CN/NOPB	DIP-8	Low-offset, low-drift JFET input	.77	.72	.68
23026	+	LF412CN*	DIP-8	Low offset drift JFET input dual	1.39	1.05	.78
835526	NSC	LF412CN/NOPB	DIP-8	Low-offset, low-drift dual JFET input	1.49	1.10	.81
106681	+	LF442CN	DIP-8	Dual low power JFET input	1.35	1.00	.75
835542	NSC	LF442CN/NOPB	DIP-8	Dual low power JFET input	1.75	1.27	.92
119992	+	LF444CN	DIP-14	Quad low pwr JFET input	1.17	1.00	.69
835569	NSC	LF444CN/NOPB	DIP-14	Quad low power JFET input	1.18	1.06	.97
903533	NSC	LMC662AIN	DIP-8	CMOS dual op amp	2.09	1.55	1.17
120926	+	LM675T	TO-220/5	Power op amplifier	5.79	4.41	3.36
24491	+	LM733CN	DIP-14	Differential amplifier	1.15	.99	.74
24521	+	LM741CH	TO-5/8	Op amplifier	4.15	3.18	2.39
24539	+	LM741CN**	DIP-8	Op amplifier	.29	.25	.19
840763	NSC	LM741CN/NOPB	DIP-8	General purpose op amp	.82	.60	.43
830522	TI	UA741CP	DIP-8	Gen. purp. op amp	.39	.31	.23
830549	TI	UA741CPE4	DIP-8	Gen. purp. op amp	* .221	.157	
24563	+	LM747CN	DIP-14	Dual 741 op amplifier	.80	.67	.54
239222	+	LTC1001CN8	DIP-8	Precision op amp	2.75	2.05	1.89
239169	+	LT1013CP	DIP-8	Dual precision op amplifier	1.16	1.00	.75
239177	+	LT1014DN	DIP-14	Quad precision op amplifier	3.55	2.99	2.89
23131	+	LM1458N*	DIP-8	Dual op amplifier	.36	.33	.25
903509	TI	MC1458P	DIP-8	Dual gen. purp. op amp	.35	.279	.18
823525	TI	TLC2272AIP	DIP-8	Advanced LinCMOS* rail-to-rail	1.65	1.47	1.37
1944839	+	TLV2772CP	DIP-8	Hi slew rate r-r output, w/ shdwn	.49	.39	.25
12116	+	CA3080E	DIP-8	Op transconductance amp.	3.95	3.36	2.96
12183	+	CA3130E	DIP-8	CMOS op amplifier	.88	.73	.67
12204	+	CA3140E	DIP-8	Bi-MOS op amplifier	.51	.434	.383
24168	+	LM3900N	DIP-14	Quad amplifier	.83	.71	.62

*10 pcs./**20 pcs. in Linear cabinet kit, pg 15

Continued on next page

* MOT = Motorola | NSC = National Semiconductor | ST = ST Micro | TI = Texas Instruments | + = Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Op Amps (Continued)

		QUANTITY SAVE		★ Web Code: WAD	
Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1 10 100
29356	+	RC4136N	DIP-14	Quad op amp. (XR4136)	\$.90 \$.84 \$.55
251125	+	MC4558CN	DIP-8	Wide bandwidth dual bipolar .....	.44 .334 .25
908289	TI	RC4558P	PDIP-8	Dual gen. purp. op amp .....	.45 .36 .247
252970	+	NE5532AP	DIP-8	Dual lower noise op amp. ....	.75 .69 .55
27385	+	NE5532N*	DIP-8	Dual low noise op amplifier .....	.75 .59 .39
27406	+	NE5534	DIP-8	Low noise op amplifier .....	.81 .68 .54
904026	TI	NE5534AP	DIP-8	Low noise op amplifier .....	.65 .59 .541
126893	NSC	LMC6482AIN	DIP-8	CMOS dual r-r I/O, lower VOS ..	2.09 1.62 1.13
301356	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS ..	3.09 2.44 1.71
312750	ADI	AD8052AR	SOIC-8	Low-cost high speed r-r	3.09 2.92 1.96
192532	+	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.20 .99 .93
871586	ON	MC33204P	DIP-14	Low voltage, rail-to-rail .....	.71 .351 .225
1944775	ON	MC33174VP	DIP-14	Single supply 3V-44V op amp. ..	.49 .39 .25
251061	ON	MC34072P	DIP-8	Single supply 3V-44V op amp. ..	3.19 2.85 2.58

*10 pcs. in Linear cabinet kit, pg 15

Linear Series

		QUANTITY SAVE		★ Web Code: FAD	
Part No.	*Mfr.	Product No.	Pkg/Pins	Description	1 10 100
25751	+	MF10CN	DIP-20	Gen. purpose dual active filter ...	\$3.35 \$3.03 \$2.76
16301	+	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz) ..	5.95 5.49 5.05
1062114	TI	TL026CP	DIP-8	Diff. high-freq. amp. w/ AGC ..	.49 .39 .25
239281	+	DG201BDJ	DIP-16	Quad analog switch	1.79 1.50 1.34
239329	+	DG211CJ	DIP-16	SPST quad ch. analog switch ..	4.25 3.42 2.19
1341966	TI	L293DNE	DIP-16	Quad half-H drivers, I-temp ..	2.69 2.17 1.69
1342011	TI	L293NE	DIP-16	Quad half-H drivers, C-temp ..	2.69 2.17 1.68
1950876	CAL	CWB309	DIP-16	Quad mono CMOS/DMOS analog sw	2.95 2.49 1.95
23721	+	LM331N	DIP-8	Prec volt-to-freq convtr (150ppm/°C)	2.39 1.83 1.28
838372	NSC	LM331N/NOPB	DIP-8	Prec. volt-to-freq. convr., C-temp	2.79 2.13 1.62
23739	NSC	LM334Z	TO-92/3	Adjust current source	1.19 .88 .64
23771	NSC	LM336Z-2.5	TO-92/3	Voltage reference (2.5V) .....	.36 .264 .204
120889	+	LM385BZ2.5	TO-92/3	Volt. ref. diode (2.5V ±1.5%) ..	.39 .37 .349
24117	+	LM385Z1.2	TO-92/3	Micropr volt. ref. diode (1.2V) ..	.50 .453 .314
23000	+	LF398N	DIP-8	Sample and hold circuit	1.79 1.33 .99
833969	NSC	LF398N/NOPB	DIP-8	Monolithic sample & hold circuits	1.01 .94 .88
309833	+	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch ..	2.95 2.25 1.69
272161	+	DG407DJ	DIP-28	Dual 8-ch multiplexer/demux.	5.69 4.84 4.27
256532	+	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer ..	2.15 1.85 1.39
33347	+	TL431CLP	TO-92/3	Program precision reference .....	.40 .314 .236
33355	+	TL494CN	DIP-16	Contrl circuit pulse-width-modulated	.43 .353 .286
840579	NSC	LM555CM/NOPB	SOIC-8	Timer .....	.98 .73 .531
27422	+	LM555CN*	DIP-8	Timer (MC1455P/NE555V) .....	.29 .23 .20
840608	NSC	LM555CN/NOPB	DIP-8	Timer	1.19 .89 .65
126797	+	LM555CN*	DIP-8	CMOS 555 timer .....	.66 .61 .458
904051	TI	NE555D	SOIC-8	Precision timer .....	.35 .283 .199
890091	ST	NE555N	DIP-8	Gen. purp. single bipolar timer ..	.27 .27 .228
904085	TI	NE555P	DIP-8	Precision timer .....	.51 .441 .353
909290	TI	SA555P	DIP-8	Precision timer, I-temp .....	.32 .27 .243
761264	TI	TL555CD	SOIC-8	LinCMOS™ timer, C-temp .....	.41 .306 .27
761272	TI	TL555CP	DIP-8	LinCMOS™ timer, C-temp .....	.46 .63 .45
761301	TI	TL555IP	DIP-8	LinCMOS™ timer .....	.94 .71 .53
24328	+	LM556N*	DIP-14	Dual 555 timer .....	.82 .60 .45
904114	TI	NE556N	DIP-14	Dual precision timer .....	.53 .47 .353
27457	ST	NE558N	DIP-16	Quad timer (NE558C)	1.19 .99 .89
27473	ST	NE564N	DIP-16	High freq. phase locked loop ..	2.75 2.49 2.25
24352	+	LM565N	DIP-14	Phased locked loop	1.75 1.28 1.08
24395	+	LM567CN	DIP-8	Tone decoder .....	.49 .417 .368
246650	+	LMC567CN	DIP-8	Tone decoder	1.36 1.18 1.01
27490	ST	NE571N	DIP-16	Compander, subscriber	4.25 3.85 3.49

*10 pcs./ **20 pcs. in Linear kit, pg 15

Linear Series (Continued)

		QUANTITY SAVE		★ Web Code: FAD	
Part No.	*Mfr.	Product No.	Pkg/Pins	Description	1 10 100
287785	ADI	AD581KH	TO-5/3	10V volt ref hi prec. 10mV tolerance	\$10.75 \$9.74 \$7.31
918436	INS	SA612AD/01	SOIC-8	Dbl balanced mixer & oscillator ...	1.99 1.57 1.23
115174	ADI	AD620AN	DIP-14	Low-cost instrument amp.	14.15 11.99 9.61
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	7.75 6.96 6.26
118578	+	MC1495L	DIP-14	Linear 4 quadrant multiplier	9.95 8.95 8.05
23211	+	LM1496N	DIP-14	Balanced mod/demodulator .....	.65 .56 .506
1944821	+	P1803AC	TO-220	Balanced three-chip sidactor	1.49 1.25 .99
193826	+	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array ..	.44 .353 .185
1147063	TI	ULN2003ADE4	SOIC-16	Hi-volt/curr. darlington trans. array .....	.. * .172 .159
34278	+	ULN2003AN	DIP-16	Hi-volt/curr. darl. transistor array ...	.39 .32 .28
1147178	TI	ULN2003AN	DIP-16	Hi-volt/curr. darlington trans. array ..	.63 .47 .35
700630	TI	ULN2004AN	DIP-16	Hi-volt/curr. darlington trans. array ..	.53 .436 .327
34294	+	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array ...	.39 .30 .23
34972	+	XR2206CP	DIP-16	Monolithic function generator	3.59 3.29 2.99
34999	+	XR2211N	DIP-14	FSK demodulator/tone decoder ...	1.79 1.52 1.34
280073	TI	TLE2426CLP	TO-92/3	Rail splitter prec. virtual ground ...	1.25 .99 .92
34315	+	ULN2803A*	DIP-18	Hi-volt/curr. darl. transistor array ...	.76 .65 .54
700648	TI	ULN2803ADW	SOIC-18	Darlington transistor array, I-temp ..	.74 .63 .472
700664	TI	ULN2803AN	DIP-18	Darlington transistor array, I-temp ..	1.29 1.10 .89
890787	ST	ULN2804A	DIP-18	8 darlington array w/ common emitter ..	.54 .53 .49
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.85 1.36 1.06
23317	+	LM2907N	DIP-14	Frequency to volt converter	1.31 .97 .93
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.99 1.53 1.06
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.75 1.32 1.22
12079	+	CA3046N	DIP-14	NPN transistor array .....	.70 .58 .51
12159	+	CA3086N	DIP-14	Transistor array NPN	1.59 1.45 1.30
12247	+	CA3162E	DIP-16	Dual slope&rate analog/digi. conv.	15.95 14.95 14.25
31974	+	SG3524N	DIP-16	Regulating pulse width modulator ...	.61 .518 .431
25275	+	MC4044P	DIP-14	Frequency phase detector	7.95 7.25 6.49
698509	ST	M48202-150PC1	DIP-24	5V, 150ns, 16k zeropower™ SRAM ..	8.85 8.23 7.39
698445	ST	M48T12-150PC1	DIP-24	5V, 150ns, 16k timekeeper SRAM ..	13.99 11.05 10.34
698453	ST	M48T18-150PC1	DIP-28	5V, 150ns, 64k timekeeper SRAM ..	18.19 16.77 15.36
1950868	CAL	CWB5341	DIP-14	Dual mono CMOS/DMOS analog sw ..	2.49 1.95 1.49
1944759	NXP	SA6579	DIP-16	Radio data system demodulator .....	.39 .35 .25
875704	INS	ICM7555CBA	SOIC-8	General purpose timer .....	.36 .335 .297
51140	+	7555IPA	DIP-8	CMOS timer .....	.39 .359 .291
875712	INS	ICM7555IPA	DIP-8	Gen. purp timer, I-temp. ....	.70 .67 .64
51174	+	7660CPA	DIP-8	CMOS volt convtr (+5 to ±5V) ..	.75 .64 .48
842371	NSC	LMC7660IN/NOPB	DIP-8	Switched cap. volt convtr	2.09 1.61 .93
316646	+	ICL7662CPA	DIP-8	Volt convtr., 20Vin, 4.5-20V out ..	2.95 2.75 2.49
1083476	TI	TL7712ACP	DIP-8	Supply voltage supervisor .....	.65 .65 .49
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	3.95 3.75 3.55
25064	ON	MC14490P	DIP-16	Hex contact bounce eliminator	5.95 5.63 4.22
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer ..	6.15 5.20 4.10
1054684	TI	SN75441ONE	DIP-16	Quad half-H drivers	1.65 1.29 1.00

*10 pcs./ **20 pcs. in Linear kit, below ★ Pull = Extra Savings

Linear & Interface IC Kit

SAVE \$65



10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT					
20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, LM723T, 7805T, 78L05CZ, 7812T					
Part No.	Description	Wt. (lbs.)	1	10	QUANTITY SAVE
84988	480 pcs. (40 types) analog IC kit	6.0	\$212.95	\$192.64	
130411	Refill for 84988 (480 pcs.)	1.3	203.95	152.96	

* ADI = Analog Devices | CAL = Calogic | INS = Intersil | NSC = National Semi | NXP = NXP/Philips Semi | ON = ON Semi | TI = Texas Instruments | ST = ST Micro | + Manufacturer Varies

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161](#)



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Digital Potentiometer, Sensors & Transistors



Digital Potentiometer

*Web Code: JBP

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
241744	MCP41010-I/P	DIP-8	10kΩ, 256 steps, SPI digital pot	\$1.99	\$1.69	\$1.49



Hall Effect Sensor

*Web Code: REB

Part No.	Mfr. Part No.	Pkg.	Description	1	10	100
1718743	A1302EUA-T	SIP-3	Continuous-time ratiometric linear sensor	\$1.00	\$.94	\$.88

Temperature Sensors

QUANTITY SAVE

*Web Code: WAN

Part No.	*Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100
107094	+	LM34CZ	TO-92/3	Prec temp sensor (-40° to +230°F)	\$5.49	\$4.35	\$4.25
193480	+	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F)	2.09	1.63	.95
155192	+	LM34DZ	TO-92/3	Prec temp sensor (+32° to +212°F)	1.99	1.67	1.25
107107	+	LM35CZ	TO-92/3	Prec temp sensor (-40° to 110°C)	5.19	4.41	3.31
192217	+	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.35	2.00	1.50
155740	+	LM35DZ	TO-92/3	Prec temp sensor (0° to +100°C)	1.69	1.35	1.25
120820	+	LM335AZ	TO-92/3	Precision temp sensor	.98	.90	.86
23755	+	LM335Z	TO-92/3	Volt mode temp sensor	.67	.61	.44
241939	+	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306	ADI	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	14.29	12.16	9.12
313293	ADI	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	14.89	13.08	11.57
302551	+	DS18S20	TO-92/3	High-prec. 1-wire digital thermo	3.21	3.05	2.89

*Pressure Sensors Available Online — Enter Web Code JBV

Transistors

QUANTITY SAVE

*Web Code: FEN

* Order in multiples of 10							
Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1 10 100
26462	+	MPSA06	TO-92	NPN	80	100k @ .01A	* \$.035 \$.025
26489	+	MPSA13*	TO-92	NPN	30	5k @ .01A	* .091 .058
210593	+	MPSA14	TO-92	NPN	30	20k @ .10A	* .067 .042
800892	ON	MPSA27RLRAG	TO-92	NPN	60	10000 @ .01A	* .118 .106
33021	+	TIP29A	TO-220	NPN	60	15 @ 1A	.43 .366 .323
33048	+	TIP31A*	TO-220	NPN	60	10 @ 3A	.49 .39 .35
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.49 .441 .353
890568	ST	TIP35C	TO-218	NPN	100	25 @ 1.5A	1.25 1.17 1.10
33081	+	TIP41A	TO-220	NPN	60	15 @ 3A	.65 .55 .488
179371	+	TIP41C	TO-220	NPN	100	15 @ 3A	.35 .298 .248
178546	+	MPSA42	TO-92	NPN	30	40 @ .03A	* .097 .079
878622	ON	MPSA42G	TO-92	NPN	300	40 @ .01A	* .079 .07
811102	ST	BUX48A	TO-218	NPN	450	450 @ 15A	6.39 5.75 5.17
288631	+	TIP48	TO-220	NPN	300	30 @ .3A	.49 .42 .37
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.54 .459 .405
32977	+	TIP102*	TO-220	NPN	100	1k @ 3A	.57 .49 .41
1094723	FSC	TIP102_NL	TO-220	NPN	100	1k @ 3A	.35 .322 .29
32993	+	TIP120	TO-220	NPN	60	1k @ 3A	.49 .45 .39
179291	FSC	TIP120	TO-220	NPN	60	1k @ 3A	.54 .486 .389
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.55 .42 .32
120416	+	TIP122	TO-220	NPN	100	1k @ 3A	.42 .37 .35
890445	ST	TIP142	TO-218	NPN	100	1k @ 0.5A	1.43 1.34 1.24
211529	+	MJE340	TO-225	NPN	300	30 @ 0.5A	.27 .24 .18
254799	+	BC547C	TO-92	NPN	45	600 @ .002A	* .046 .039
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	* .07 .055
38228	+	2N2219A	TO-39	NPN	40	100 @ .15A	.41 .349 .308
924289	ST	2N2222	TO-39	NPN	30	35 @ 0.1mA	.55 .507 .479
26446	+	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.79 2.37 2.09
28628	+	PN2222*	TO-92	NPN	30	100 @ .15A	* .075 .065
38236	+	2N2222A	TO-18	NPN	40	100 @ .15A	.42 .41 .39
213938	+	MMBT2222A	SOT-23	NPN	40	100 @ .15A	* .04 .03
213997	+	MMPO2222A	SOIC-16	NPN	40	100 @ .15A	.83 .70 .56
210673	+	MPS2222A	TO-92	NPN	40	40 @ .50A	* .058 .052
178511	+	PN2222A	TO-92	NPN	40	100 @ .15A	* .13 .092
787536	FSC	PN2222ABU	TO-92	NPN	40	75 @ .01A	* .075 .053

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 17

Transistors (Continued)

QUANTITY SAVE

*Web Code: FEN

* Order in multiples of 10							
Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	V _{ceo}	Min. (h _{FE} @ Ic)	1 10 100
803268	ON	PN2222AG	TO-92	NPN	40	50 @ .001A	* \$.037 \$.033
803049	ON	P2N2222AG	TO-92	NPN	40	35 @ .01A	* .167 .147
787552	FSC	PN2222ATF	TO-92	NPN	40	75 @ .01A	* .056 .038
1945014	FSC	PN2484	TO-92	NPN	60	250 @ .001A	* .07 .045
273105	NTE	NTE2507	TO-220	NPN	200	40 @ .05A	5.29 4.99 4.79
38295	+	2N3053*	TO-39	NPN	40	25 @ .15A	.51 .45 .38
38308	+	2N3055	TO-3	NPN	60	15 @ 10A	.89 .79 .68
211385	+	TIP3055	TO-218	NPN	60	5 @ .001A	1.39 1.23 .88
211406	+	2N3055A	TO-3	NPN	60	20 @ 4A	1.55 1.32 1.16
25857	+	MJE3055T	TO-220	NPN	60	20 @ 4A	.57 .53 .49
194415	+	2N3439	TO-39	NPN	350	40 @ .02A	.45 .404 .364
1944919	NSC	PN3566	TO-92	NPN	30	80 @ .002A	* .06 .035
209242	+	2N3771	TO-3	NPN	40	15 @ 15A	1.99 1.79 1.35
140151	+	2N3773	TO-3	NPN	140	15 @ 8A	2.95 2.66 1.99
38359	+	2N3904	TO-92	NPN	40	100 @ .01A	* .069 .057
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	* .09 .06
783421	FSC	2N3904	TO-92	NPN	40	100 @ .01A	* .051 .031
885161	ON	2N3904G	TO-92	NPN	40	40 @ 0.1mA	* .052 .04
885208	ON	2N3904RLRAG	TO-92	NPN	40	100 @ .001A	* .041 .037
94967	+	MMBT3904	SOT-23	NPN	40	100 @ .01A	* .042 .034
1944927	FSC	PN4275	TO-92	NPN	15	35 @ .01A	* .055 .035
38421	+	2N4401*	TO-92	NPN	40	100 @ .15A	* .08 .06
1201380	FSC	PN4953	TO-92	NPN	30	150 @ .01A	* .07 .045
310666	+	2N5038	TO-3	NPN	150	20 @ 12A	7.95 7.45 6.95
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	* .07 .05
194600	+	2N6059	TO-3	NPN	100	750 @ 6A	1.95 1.75 1.65
924300	ST	2N6284	TO-3/2	NPN	100	750 @ 10A	3.69 3.05 2.79
1945031	FSC	MPS6515	TO-92	NPN	25	250 @ .002A	* .07 .045
194618	+	2N6547	TO-3	NPN	400	12 @ 5A	4.29 3.98 3.43
194626	+	2N6678	TO-3	NPN	400	8 @ 15A	6.79 5.77 5.09
33030	+	TIP30A	TO-220	PNP	60	15 @ 1A	.60 .54 .40
33064	+	TIP32A*	TO-220	PNP	60	10 @ 3A	.42 .357 .315
181841	+	TIP32C	TO-220	PNP	100	10 @ 3A	.29 .261 .222
890592	ST	TIP36C	TO-218	PNP	100	25 @ 1.5A	1.13 1.11 1.03
33101	+	TIP42A	TO-220	PNP	60	15 @ 3A	.48 .403 .287
139580	+	TIP42C	TO-220	PNP	100	15 @ 3A	.34 .31 .28
179258	+	TIP107	TO-220	PNP	100	1k @ 3A	.43 .36 .33
288526	+	TIP115	TO-220	PNP	60	1k @ 1A	.39 .328 .232
33013	+	TIP125	TO-220	PNP	60	1k @ 3A	.49 .441 .353
179320	+	TIP127	TO-220	PNP	100	1k @ 3A	.39 .33 .249
1085500	FSC	MPS750RL	TO-92	PNP	40	75 @ .05A	* .15 .12
194378	+	2N2905A	TO-39	PNP	60	100 @ .15A	.52 .43 .32
924297	ST	2N2907	TO-39/3	PNP	-40	75 @ .01A	.46 .441 .414
26454	+	MPQ2907	DIP-14	PNP	40	100 @ .15A	2.29 1.95 1.72
28644	+	PN2907*	TO-92	PNP	40	100 @ .15A	* .106 .085
211342	+	MPS2907A	TO-92	PNP	60	100 @ .15A	* .069 .052
178520	+	PN2907A	TO-92	PNP	60	100 @ .15A	* .075 .055
38279	+	2N2907A*	TO-18	PNP	60	100 @ .15A	.38 .33 .25
25831	+	MJE2955T	TO-220	PNP	60	20 @ 4A	.53 .477 .36
1944986	FSC	PN3644	TO-92	PNP	45	100 @ .01A	* .07 .045
178618	FSC	2N3906	TO-92	PNP	40	100 @ .01A	* .046 .042
38375	+	2N3906*	TO-92	PNP	40	100 @ .01A	* .066 .042
805597	ON	2N3906G	TO-92	PNP	40	100 @ 10A	* .05 .044
1944943	FSC	PN4122	TO-92	PNP	40	150 @ 1mA	* .055 .035
1944951	FSC	PN4355	TO-92	PNP	60	100 @ 1mA	* .18 .15
38447	+	2N4403*	TO-92	PNP	40	100 @ .15A	* .048 .032
1944935	FSC	PN4917	TO-92	PNP	30	150 @ 1mA	* .06 .04
253438	+	2N5884	TO-3	PNP	80	4 @ 25A	3.75 3.19 2.81
194571	+	2N6042	TO-220	PNP	100	1k @ 3A	.56 .46 .42
194597	+	2N6052	TO-3	PNP	100	750 @ 6A	2.89 2.67 2.53

*10 pcs./**100 pcs. in Transistor cabinet kit, pg 17

* ADI = Analog Devices | FSC = Fairchild Semi | MOT = Motorola | NSC = National Semi | NTE = NTE | ON = ON Semi | ST = ST Micro | + Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



J-FETs

QUANTITY
SAVE

Please Note: Manufacturer may vary

*Web Code: JAD

Part No.	Cross Ref.	Pkg.	Desc.	BV _{GS} @ I _G (μA)	I _{SS} (mA) @ V _{DS}	* Order in multiples of 10			
						1	10	100	1000
26403	MPF102*	TO-92	N-Ch	-25 @ -10	2 @ 15	...	...	...	...
1945006	PN4093	TO-92	N-Ch	-40 @ 1	15 @ 20	...	...	...	...
253948	2N5457	TO-92	N-Ch	-25 @ -10	1 @ 15	...	...	...	...
253921	2N5458	TO-92	N-Ch	-25 @ -10	2 @ 15	...	...	...	...
38527	2N5951*	TO-92	N-Ch	-30 @ -1	7 @ 15	...	...	...	...
253913	2N5460	TO-92	P-Ch	40 @ 10	-1 @ -15	...	...	...	...

*10 pcs. in Transistor cabinet kit, below

Transistor Assortment Cabinet Kit

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120
100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	...	...
130374	Refill for 82595 (560 pcs.)	0.4	...	...

Heat Sinks

NEW
FRANCHISE DROU

QUANTITY
SAVE

*Web Code: JAB



- Material: black anodized aluminum (except for P/N 107297 – light weight alum.)
- P/N 42622 can be mounted vertically with solderable mounting tabs

Part No.	*Mfr.	Product No.	Type	Hole	Size (L" x W" x H")	1	10	100
2077335	AVD	501200B00	DIP-14/16	0	0.73 x 0.25 x 0.19	...	...	...
326757	JVP	529801B02500	TO-218	3	1.64 x 1.00 x 1.50	...	...	...
696714	AVD	577002B00000G	TO-220	1	0.52 x 0.25 x 0.75	...	...	...
158051	AVD	577102B00000G	TO-220	1	0.52 x 0.36 x 0.75	...	...	...
1115643	AVD	577202B00000G	TO-220	1	0.52 x 0.50 x 0.75	...	...	...
696722	AVD	581002B02500G	TO-220	1	0.64 x 0.64 x 1.00	...	...	...
326596	+	507302B00000	TO-220	1	0.75 x 0.38 x 0.75	...	...	...
70658	JVP	THM6073	TO-220	1	0.75 x 0.36 x 0.75	...	...	...
2077327	COM	8314021B00 (TO-262)	TO-220	0	0.75 x 0.50 x 0.50	...	...	...
40504	WKF	291-H-36AB	TO-220	1	1.00 x 0.36 x 0.86	...	...	...
107297	+	PSC2-U (cup-style)	TO-220	0	1.00 x 0.42 x 0.80	...	...	...
42622	+	286AB	TO-220	1	1.18 x 1.00 x 0.50	...	...	...
70915	JVP	THM6106	TO-220	2	1.18 x 1.00 x 0.50	...	...	...
326693	JVP	531002B05200	TO-220	2	1.38 x 0.50 x 1.00	...	...	...
326713	JVP	531102B02500	TO-220	3	1.38 x 0.50 x 1.50	...	...	...
151547	+	635-125B2	TO-3	4	1.83 x 1.40 x 1.25	...	...	...
189835	AVD	635-5B2	TO-3	4	1.90 x 1.40 x 0.50	...	...	...
16513	+	DUDE4	TO-3	4	4.75 x 1.50 x 1.25	...	...	...
129226	+	For 486 CPUs (adhesive back)	0	1.58 x 1.58 x 0.39	...	...	...	...

Accessories

Part No.	*Mfr.	Part No.	Description	1	10	100
1582541	WKF	120-8	Silicon oil-based compound 8oz. jar	...	...	...
1582559	WKF	173-7-220P	DeltaPAD™ insulator for TO-220	...	...	...
1582575	WKF	175-6-240-P	KAPTON™ reinforced insulator for TO-220	...	...	...

Heat Sink Mounting Kit

- TO-220 heat sink insulator assemblies
- 10 kits per pack

Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	...	...	...

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* AVD = Aavid Thermoalloy | COM = Comair | FSC = Fairchild | INR = International Rectifier | JVP = Jameco Value Pro | WKF = Wakefield | + Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

N-Channel & P-Channel MOSFETs

QUANTITY
SAVE

*Web Code: GCJ

Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	* Order in multiples of 10		
							1	10	100
669871	+	IRFZ24N	TO-220AB	N-Ch	55	17A	...	...	...
669927	+	IRFBG30	TO-220AB	N-Ch	1000	3.1A	...	...	...
669935	+	IRFZ34N	TO-220AB	N-Ch	55	26A	...	...	...
669943	+	IRLZ34N	TO-220AB	N-Ch	55	30A	...	...	...
669951	+	IRFZ44N	TO-220AB	N-Ch	55	49A	...	...	...
669978	+	IRFZ46N	TO-220AB	N-Ch	55	53A	...	...	...
669986	+	IRFZ48N	TO-220AB	N-Ch	55	64A	...	...	...
256031	+	BS170	TO-92	N-Ch	60	0.5A (max.)	...	...	...
670080	+	IRFP250	TO-247	N-Ch	200	30A	...	...	...
670101	+	IRFP260N	TO-247	N-Ch	200	50A	...	...	...
670135	+	IRFP450	TO-247	N-Ch	500	14A	...	...	...
670143	+	IRFP460	TO-247	N-Ch	500	20A	...	...	...
209234	+	IRF510	TO-220	N-Ch	100	5.6A	...	...	...
1559885	INR	IRF510PBF	TO-220AB	N-Ch	100	5.6A	...	...	...
209226	+	IRF520	TO-220	N-Ch	100	10A	...	...	...
209058	+	IRL520N	TO-220	N-Ch	100	10A	...	...	...
210500	+	IRF530	TO-220	N-Ch	100	14A	...	...	...
670151	+	IRF530N	TO-220AB	N-Ch	100	17A	...	...	...
210518	+	IRF540	TO-220	N-Ch	100	27A	...	...	...
210526	+	IRF620	TO-220	N-Ch	200	6.0A	...	...	...
210534	+	IRF630	TO-220	N-Ch	200	9.0A	...	...	...
210542	+	IRF640	TO-220	N-Ch	200	18A	...	...	...
1560270	INR	IRF640N	TO-220AB	N-Ch	200	18A	...	...	...
670231	+	IRF644	TO-220AB	N-Ch	250	14A	...	...	...
210551	+	IRF730	TO-220	N-Ch	400	5.5A	...	...	...
210569	+	IRF740	TO-220	N-Ch	400	10A	...	...	...
210577	+	IRF820	TO-220	N-Ch	500	4.0A	...	...	...
210585	+	IRF830	TO-220	N-Ch	500	4.5A	...	...	...
184719	+	IRF840	TO-220	N-Ch	500	8.0A	...	...	...
670282	+	IRF1405	TO-220AB	N-Ch	55	169A	...	...	...
279460	+	VN2222LL	TO-92	N-Ch	60	0.75A	...	...	...
873602	FSC	MTP3055VL	TO-220	N-Ch	60	12A	...	...	...
618089	+	IRF3205	TO-220	N-Ch	55	110A	...	...	...
670354	+	IRF3415	TO-220AB	N-Ch	150	43A	...	...	...
618071	+	IRL3705	TO-220	N-Ch	55	89A	...	...	...
875051	FSC	RFP50N06	TO-220AB	N-Ch	60	50A	...	...	...
178669	FSC	2N7000*	TO-92	N-Ch	60	0.2A	...	...	...
119423	+	2N7000	TO-92	N-Ch	60	0.3A	...	...	...
783594	FSC	2N7000	TO-92	N-Ch	60	0.75A	...	...	...
140169	+	2N7002	SOT-23	N-Ch	60	0.5A	...	...	...
256057	+	BS250	TO-92	P-Ch	-45	0.25A (max.)	...	...	...
1944901	+	ZVP3306A	TO-92	P-Ch	-60	-0.4A	...	...	...
255054	+	SI4463DY	SOIC-8	P-Ch	-20	-30A	...	...	...
670442	+	IRF4905	TO-220AB	P-Ch	-55	-74A	...	...	...
670451	+	IRF4905S	D2PAK	P-Ch	-55	-74A	...	...	...
670477	+	IRF5210	TO-220AB	P-Ch	-100	-40A	...	...	...
670485	+	IRF5305	TO-220AB	P-Ch	-55	-31A	...	...	...
670531	+	IRF7404	SOIC-8	P-Ch	-20	-7.7A	...	...	...
670581	+	IRF9234N	TO-220AB	P-Ch	-55	-1.8A	...	...	...
670629	+	IRF9520	TO-220AB	P-Ch	-100	6A	...	...	...
670741	+	IRF9530	TO-220AB	P-Ch	-100	-12A	...	...	...
670637	+	IRF9530N	TO-220AB	P-Ch	-100	-14A	...	...	...
670645	+	IRF9540N	TO-220AB	P-Ch	-100	-23A	...	...	...
670653	+	IRF9640	TO-220AB	P-Ch	-200	-11A	...	...	...

*10 pcs. in Transistor cabinet kit, above left ↑ DMOS FET Blue Part No. = Limited Quantity

Hexfet Power MOSFETs ★ Web Code: HDU									
Part No.	Mfr.	Part No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100
1563083	IRFZ24	TO-220AB	N-Ch	60	17A		\$1.22	\$1.14	\$1.09
1563147	IRFZ44NPBF	TO-220AB	N-Ch	55	49A		.88	.68	.59
1562363	IRFP450PBF	TO-247AC	N-Ch	500	14A		3.25	2.21	1.97
1560051	IRF540NPBF	TO-220AB	N-Ch	100	33A		1.32	1.07	.97
1559965	IRF5305PBF	TO-220AB	P-Ch	-55	-31A		1.69	1.30	1.12
1561619	IRF9640PBF	TO-220AB	P-Ch	-400	-11A		1.25	1.07	.96

Small Signal Diodes ★ Web Code: JDQ

Part No.	*Mfr.	Product No.	Pkg.	Description	10	100
1215759	FSC	BAV74_NL	SOT-23	50VRRM, 0.2A	\$0.041	\$0.026
179207	VSH	1N914	DO-35	100PRV	.03	.027
36311	+	1N914	DO-35	75PRV, 0.01A	.025	.022
655269	+	1N914A	DO-35	100VRRM, 0.2A	.064	.058

Order in multiples of 10

*** 100 pcs. in Diode/Rectifier cabinet kit, pg 19

Zener Diodes ★ Web Code: LAF

Part No.	*Mfr.	Product No.	Pkg.	V _{Znom}	Pwr Dissipation	10	100
1039433	VSH	MMSZ5230B-V-GS08	SOD123	4.7V	0.5W	\$0.041	\$0.031
178773	VSH	1N4732A	DO-41	4.7V	1W	.084	.076
36097	+	1N4733A	DO-41	5.1V	1W	.08	.065
178837	+	1N4739A	DO-41	9.1V	1W	.147	.132
36169	+	1N4742A	DO-41	12V	1W	.074	.056
36185	+	1N4744A	DO-41	15V	1W	.06	.045
743488	FSC	1N5226B	DO-35	3.3V	0.5W	.029	.026
804607	ON	1N5339BG	Surmetic-40	5.6V	5W	.205	.187
804623	ON	1N5341BG	Surmetic-40	6.2V	5W	.197	.185
743584	ON	1N5342BG	Surmetic-40	6.8V	5W	.205	.187
804818	ON	1N5352BG	Surmetic-40	15.0V	5W	.222	.203
804914	ON	1N5359BG	Surmetic-40	24.0V	5W	.231	.221
1305367	ON	1N5365BG	Surmetic-40	36.0V	5W	.18	.162

Order in multiples of 10

*** 10 pcs. in Diode/Rectifier cabinet kit, pg 19





Diodes ★ Web Code: PAK

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
35941	+	1N270	DO-7	80PRV (Germanium)	\$0.99	\$0.86	\$0.74
259469	NTE	NTE583	DO-7	Schottky RF switch	1.46	1.38	1.17
1539331	DDI	BAV99-7-F	SOT-23	75VRRM, 300mA	.39	.265	.132
312101	+	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.40	.223	.145
787940	FSC	RURP3020	TO-220AC	200VRRM, 30A (Ultrafast)	1.75	1.49	1.29
1559164	INR	HFA08TB60PBF	TO-220AC	600VBR, 8A (Ultrafast)	.62	.531	.466
179215	VSH	1N4148	DO-35	100PRV (Switching)	.012	.012	.009
36038	+	1N4148	DO-35	75PRV, 0.01A (Switching)	.04	.04	.03
151247	+	1N4148T+R	DO-35	75PRV, 0.01A (Switching)	.016	.016	.013
743656	ST	1N5711	DO-35	70VRRM, 15mA (Schottky)	.40	.29	.20
1547956	AVT	5082-2835	Glass axial	Schottky barrier gen. purp.	1.40	1.17	1.03
1547999	AVT	5082-3081	Glass axial	Pin diode for RF switch & Atten	2.89	2.44	2.05

Order in multiples of 10

*** 10 pcs./*** 100 pcs. in Diode/Rectifier cabinet kit, pg 19

SanRex® Fast-On & Thru-Hole Pkg. Triacs ★ Web Code: PCH

Part No.	Mfr. Part No. †	Pkg.	Rating (V _{DRM} , I _{T(RMS)})	1	10	100
658216	TG35E60 	Fast-On	Isolated 35A, 600V	\$9.09	\$7.87	\$6.81
658267	TG35F40 	Fast-On	Isolated 35A, 400V	9.09	7.73	6.34
658275	TG35F60 	Fast-On	Isolated 35A, 600V	9.09	7.87	6.81
657192	TMG8C60F 	TO-220F	Isolated 8A, 600V	1.09	.93	.82

† For cross references to Littelfuse, ST, and ON Semi products, refer to datasheets @ Jameco.com.

Triacs					QUANTITY SAVE	★ Web Code: PAE		
Part No.	*Mfr.	Product No.	Pkg.	Rating	1	10	100	
31819	◆	SC146B	TO-220	200 V _{DRM} , 10A (2N6342)	\$1.49	\$1.25	\$1.05	
31827	◆	SC146M	TO-220	600 V _{DRM} , 10A (2N6344)	1.99	1.68	1.26	
1165690	BNS	TIC201M	TO-220	600 V _{DRM} , 2.5A	.49	.35	.25	
220492	TEC	Q4008R4	TO-220AB	400 V _{DRM} , 8A	1.12	1.03	.77	
139336	TEC	Q4015L5	TO-220AB	400 V _{DRM} , 15A	1.65	1.48	1.33	
160215	TEC	Q6008L5	TO-220AB	600 V _{DRM} , 8A	1.39	1.25	.94	
220505	TEC	Q6025R6	TO-220AB	600 V _{DRM} , 25A	2.39	2.17	1.63	
220521	TEC	Q6035P5	TO-3	600 V _{DRM} , 35A	9.09	7.87	6.34	
140425	◆	2N6071A	TO-225AA	200 V _{DRM} , 4A	.39	.324	.281	

Transient Voltage Suppressor ★ Web Code: QBQ

Part No.	Cross Ref.	Watts	Pkg.	Min. Brkdw. Volt. (V _{BR})	Stand-Off Voltage	10	100	1000
256663	P6KE6.8A	600	DO-15	6.45	5.8	\$0.169	\$0.159	\$0.15

Order in multiples of 10

Silicon Controlled Rectifiers (SCRs) ★ Web Code: BAB

Part No.	*Mfr.	Cross Ref.	Pkg.	Rating	1	10	100
14859	+	C38M	TO-65	600 PRV, 35A (2N3899)	\$6.99	\$6.29	\$5.69
14736	+	C106B1	TO-202	200 PRV, 4A (2N6239)†	.67	.54	.46
14752	+	C122B	TO-220	200 PRV, 8A	1.29	1.00	.70
14761	+	C122M	TO-220	600 PRV, 8A†	1.35	1.25	.94
119802	+	2N5060	TO-92	25 PRV, 0.8A	.30	.249	.213
211422	+	2N5061	TO-92	60 PRV, 0.8A	.143	.111	
160135	TEC	S6025L	TO-220AB	600 V _{DRM} , 25A	1.69	1.52	1.35
885654	ON	2N6509	TO-220AB	800 V _{DRM} , 25A	1.11	1.08	.88

† Isolated * 10 pcs. in Diode/Rectifier cabinet kit, pg 19

Rectifiers ★ Web Code: LBD

Part No.	*Mfr.	Cross Ref.	Pkg.	Rating	1	10	100
177754	TAT	T6A05L	T6L	50 PIV, 6A	\$0.36	\$0.32	\$0.288
177762	TAT	T6A10L	T6L	100 PIV, 6A	.75	.65	.488
177818	TAT	T6A100L	T6L	1000 PIV, 6A	.80	.72	.54
879975	FSS	MURS120T3G	SMB	200VRRM, 2A	.43	.39	.364
801617	ON	MR856G	Case-267	600 @ 3A	.117	.103	
35924	+	1N1188	DO-5	400 PRV, 35A	4.49	4.45	4.14
879596	ON	MUR3060PT	TO-218	200 @ 30A (Switchmode™)	2.69	2.39	2.03
35975	+	1N4001	DO-41	50 PRV, 1A	.04	.04	.028
1537862	DDI	1N4001G-T	DO-41	50VRRM, 1A	.055	.05	
76961	+	1N4002	DO-41	100 PRV, 1A	.043	.032	
76970	+	1N4003	DO-41	200 PRV, 1A	.042	.037	
35991	+	1N4004	DO-41	400 PRV, 1A	.04	.028	
76988	+	1N4005	DO-41	600 PRV, 1A	.037	.028	
76996	+	1N4006	DO-41	800 PRV, 1A	.04	.03	
36011	+	1N4007	DO-41	1000 PRV, 1A	.042	.03	
1537951	DDI	1N4007-T	DO-41	1000 VRRM, 1A	.25	.107	.074
804543	ON	1N4007RLG	DO-41	1000 @ 1A	.075	.067	
36249	+	1N5401	DO-201AD	100 PIV, 3A	.134	.101	
77083	+	1N5402	DO-27A	200 PRV, 3A	.138	.101	
36265	+	1N5404	DO-27A	400 PRV, 3A	.133	.094	
1538363	DDI	1N5404-T	DO-201AD	400 VRRM, 3A	.149	.134	
36273	+	1N5408	DO-27A	1000 PRV, 3A	.26	.22	.16
177949	+	1N5817	DO-204AL	20 PIV, 1A	.12	.09	
177957	+	1N5818	DO-204AL	30 PIV, 1A	.07	.056	
177965	+	1N5819	DO-204AL	40 PIV, 1A	.10	.075	
1538419	DDI	1N5819HW-7-F	SOD-123	40 VRRM, 1A (Schottky)	.25	.223	.167
177990	+	1N5822	DO-201AD	40 PIV, 3A	.20	.15	
1538435	DDI	1N5822-T	DO-201AD	40 VRRM, 3A (Schottky)	.74	.543	.40
618062	+	40CPQ060	TO-247AC	60 VRRM, 40A (Schottky)	2.65	1.80	1.35
886657	ON	MBR20100CTG	TO-220AB/3	100 @ 20A	1.01	.80	.66

* 10 pcs./** 100 pcs. in Diode/Rectifier cabinet kit, pg 19

* AVT = Avago | BNS = Bourns | DDI = Diodes Incorporated | FSC = Fairchild | FSS = Freescale | INR = International Rectifier | ON = ON Semi | ST = ST Micro | TAT = Taitron | TEC = Teccor | VSH = Vishay | + Mfr. Varies

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Bridge Rectifiers

Part No.	*Mfr.	Product No.	Pkg. [†]	Rating	1	10	100
178001	✦	DF005M	DF	50 V _{RRM} , 1A	\$.49	\$.39	\$.29
103000	✦	DF01M	DF	100 V _{RRM} , 1A	.30	.27	.21
103042	✦	DF02M	DF	200 V _{RRM} , 1A	.35	.25	.19
102971	✦	DF04M	DF	400 V _{RRM} , 1A	.29	.24	.18
103034	✦	DF06M	DF	600 V _{RRM} , 1A	.30	.27	.19
256575	✦	DF08M	DF	800 V _{RRM} , 1.5A	.34	.293	.236
103026	✦	DF10M	DF	1000 V _{RRM} , 1A	.32	.25	.21
145429	✦	KBP02M	KBP	200 V _{RRM} , 1.5A	.55	.45	.35
119562	✦	KBP04M	KBP	400 V _{RRM} , 1.5A	.54	.487	.327
279494	✦	W005G	WOG	50 V _{RRM} , 1.5A	.44	.36	.27
103018	✦	W02G	WOG	200 V _{RRM} , 1.5A	.49	.39	.34
102980	✦	W04G	WOG	400 V _{RRM} , 1.5A	.43	.40	.33
279515	✦	W10G	WOG	1000 V _{RRM} , 1.5A	.49	.39	.29
178132	✦	W01M	WOM	100 V _{RRM} , 1.5A	.49	.42	.35
178141	✦	W02M	WOM	200 V _{RRM} , 1.5A	.45	.39	.32
178183	TAT	BR805D	BR8D	50 PIV, 2A	.55	.49	.367
178247	TAT	BR810D	BR8D	1000 PIV, 2A	.48	.43	.37
253260	✦	2KBP06M	KBP	600 V _{RRM} , 2A	.44	.40	.30
299874	✦	GBPC1206	GBPC	600 V _{RRM} , 12A	3.15	2.65	1.91
179477	✦	GBPC25-01	GBPC	100 V _{RRM} , 25A	2.35	1.89	1.30

* 10 pcs. in Diode/Rectifier cabinet kit, right

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Bridge Rectifiers (Continued)

Part No.	*Mfr.	Product No.	Pkg. [†]	Rating	1	10	100
179485	✦	GBPC25-02	GBPC	200 V _{RRM} , 25A	\$2.39	\$1.94	\$1.46
1544704	VSH	GBPC2506-E4/1 [Ⓜ]	GBPC	600 V _{RRM} , 25A	3.29	2.62	2.25
178280	✦	MB254	MB35	400 V _{RRM} , 25A	2.35	2.10	1.58
25574	✦	MDA990-3	179-01	200 PIV, 30A	3.99	3.45	2.59
25591	✦	MDA990-6	179-01	600 PIV, 30A	4.59	4.29	3.22
178431	✦	MB358 [Ⓜ]	MB35	800 V _{RRM} , 35A	3.59	3.29	2.47
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.25	2.65	2.40

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

TAT = Taitron | VSH = Vishay | ✦ Manufacturer Varies

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M

100 each: 1N914, 1N4004, 1N4148



SAVE 13%

Part No.	Description	Wt. (lbs.)	1	10
82587	420 pcs. (15 types) diode kit	5.0	\$42.95	\$38.95

Optoisolators

		NEW MARKED IN PINK		QUANTITY SAVE		★ Web Code: CAG	
Part No.	*Mfr.	Product No.	Pkg.	Description	1	10	100
671808	✦	4N25S	SOIC-6	NPN phototransistor output	\$.25	\$.21	\$.19
40985	✦	4N25	DIP-6	NPN phototransistor output	.28	.25	.22
41005	✦	4N26	DIP-6	NPN phototransistor output	.25	.22	.165
41013	✦	4N28	DIP-6	NPN phototransistor output	.25	.22	.16
41021	✦	4N32	DIP-6	NPN photodarlington output	.29	.22	.15
41030	✦	4N33	DIP-6	NPN photodarlington output	.29	.247	.21
41056	✦	4N35	DIP-6	NPN phototransistor output	.29	.24	.18
320418	LTO	CNY17-4	DIP-6	High BV _{ceo} phototransistor	*.19	.15	
114083	✦	ISO203	DIP-16	High density NPN phototransistor	2.95	2.95	2.66
672245	✦	MOC205	SOIC-8	Monolithic phototransistor output	.65	.49	.29
320653	✦	PS2501-1	DIP-4	Single NPN phototransistor output	.35	.29	.25
320661	✦	PS2501-2	DIP-8	Dual NPN phototransistor output	.75	.59	.51
160338	✦	PS2501-4	DIP-16	Quad NPN phototransistor output	1.15	1.07	.92
320696	✦	PS2502-2	DIP-8	Dual NPN photodarlington output	1.42	1.16	1.05
160362	✦	PS2502-4	DIP-4	Quad NPN photodarlington output	1.75	1.61	1.21
320709	✦	PS2505-1	DIP-4	NPN phototransistor output	.42	.354	.298
320725	✦	PS2505-4	DIP-16	Quad NPN phototransistor output	2.05	1.74	1.53
320805	✦	PS2532-4	DIP-16	Quad hi collector to emitter voltage	2.35	2.25	2.09
26278	✦	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac	.56	.49	.41
698912	FSC	MOC3010M	DIP-6	Random phase, triac driver output	.62	.47	.334
95020	✦	MOC3011	DIP-6	Random phase, triac driver output	.68	.52	.39
277780	✦	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac	.55	.45	.338
95038	✦	MOC3021	DIP-6	Random phase, triac driver output	.67	.50	.38
1261018	LTO	MOC3023S	SOIC-6	Random phase, triac driver output	*.261	.225	
277819	✦	MOC3023	DIP-6	Random phase, triac driver output	.59	.454	.35
277835	✦	MOC3041	DIP-6	Zero-cross, triac driver output	.89	.75	.49
277843	✦	MOC3043	DIP-6	Zero-cross, triac driver output	.77	.65	.391
133874	✦	MOC3063	DIP-6	Zero-cross, triac driver output	.87	.75	.61
2006414	LTO	LTR-5986D	SIP-3	NPN phototransistor/detector	.25	.19	.15
2006406	LTO	LTV-8141S	SMD4	1-Ch. AC input darlington output	*.29	.25	

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* AVT = Avago Technology | CLA = Clare | FSC = Fairchild Semi | LTO = Lite On | OPT = Optek | SIE = Siemens | ✦ Manufacturer Varies

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Standard-Output LEDs

3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC HOUSE BRANDS FACTORY OVERRUN

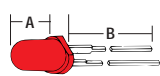


Fig. 1

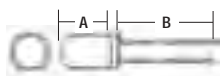


Fig. 2

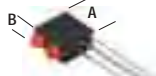


Fig. 3

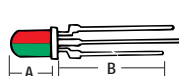


Fig. 4



Fig. 5



Fig. 6



Fig. 7

Standard-Output LEDs

NEW
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See page 24 for LED Mounting Hardware

*Web Code: FAF

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing		
								A*	B*						1	10	100
202471	MVL-301HR	UNI	1	Red	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	40	\$.26	\$.231	\$.17
253278	HLMP-1301R	FSC	1	Red	Red diffused	T1	0.119/3	0.19	1.00	0.10	1.9	5.4	635	60	.26	.10	.098
136282	LA44B/21R	JVP	3	Red	Red diffused (dual) .60" LDS	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.49	.44	.39
152751	LT0344R-41R	LED	1	Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	52.9	635	36	.25	.23	.20
152785	LT0341R-41R	LED	1	Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	*	.17	.15
333171	HLMP-K155-JVR	JVP	2	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	*	.11	.098
333851	UT6371-41-M1R	JVP	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	*	.13	.104
206498	LHR2041R	JVP	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	*	.15	.12
94529	LH2040R *	JVP	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	*	.072	.064
114673	LH2043R *	JVP	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	*	.077	.07
2006713	LTL-161CE	LTO	1	Hi-eff Red	Red diffused, flanged	T1	0.118/3	0.21	1.07	0.10	2.0	12.6	621	60	*	.06	.05
697581	LTL-4221R	LTO	1	Hi-eff Red	Red diffused	T1	0.118/3	0.207	1.00	0.10	2	8.7	635	40	*	.086	.084
697590	LTL-4221N	LTO	2	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2	8.7	635	60	*	.087	.068
1956637	LTL-4211N	LTO	1	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	*	.075	.06
697565	LTL-4211N	LTO	2	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	*	.087	.068
94553	LHG2062R	JVP	1	Red/Green	White diffused bi-color/bi-state ¹	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.20
156946	LH20362-25-D61R	LED	4	Red/Green	White diff. bi-color/ tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	.29	.25	.19
34657	LY2040R *	JVP	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	*	.13	.11
2006705	LTL-1CHYE	LTO	1	Yellow	Water clear, flanged	T1	0.119/3	0.21	1.07	0.10	2.1	40	585	45	*	.09	.07
206480	LVE2041R	JVP	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	*	.105	.095
697688	LTL-4251N	LTO	2	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	*	.087	.068
2006721	LTL-14CDJLDL	LTO	1	Yellow/Green	White diffused bi-color, flanged	T1	0.119/3	0.19	1.35	0.10	2.1	8.7/12.6	585/565	80	*	.13	.11
34606	LSG2040R *	JVP	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	*	.15	.13
333201	LGT2340R	JVP	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	*	.12	.10
136274	LA44B/2GR	JVP	3	Green	Green diffused (dual) .60" LDS	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.59	.53	.49
2006676	LTL-4201NMHDPI	LTO	3	Green/Yellow	Gr/yel diffused (dual) .13" LDS	T1	0.119/3	0.38	0.17	0.10	2.1	12/6	565/585	60	.49	.45	.39
175679	LVG2041R	JVP	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	*	.08	.059
114681	LVG2043R *	JVP	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	*	.071	.061
253665	HLMP-1540R	FSC	1	Green	Water clear	T1	0.119/3	0.19	1.00	0.10	45	2.2	565	45	.25	.19	.17
156930	LT0321-41-HE	LED	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1	32	567	56	*	.16	.099
211086	LTL-4231N-022	LTO	2	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	—	*	.055	.045
1956602	LTL-4231N	LTO	1	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	*	.075	.06
697637	LTL-4231N	LTO	2	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	*	.078	.061
697629	LTL-4231R	LTO	2	Green	Green diffused	T1	0.118/3	0.207	1.00	0.10	2.1	12.6	565	40	*	.071	.056
137411	LVB2040R	JVP	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	1.25	1.15	.87
334457	LSBI2640R	JVP	2	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	40	.89	.79	.59
333383	UT63B1-41-M1A2R	JVP	2	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	1.05	.95	.83
333973	UT1871-81-M1R	JVP	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	*	.10	.08
94511	LH3330R	JVP	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	*	.16	.12
104248	LA93B/H-1R *	JVP	5	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.26	.23	.19
253753	HLMP-3301R	FSC	1	Red	Red diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.4	5.4	635	60	.36	.21	.14
34745	LH3333R	JVP	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	*	.15	.12
242844	LT1811-81R	LED	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1	4.1	700	44	*	.12	.10
34690	LFH3360R *	JVP	1	Red	Red diff. blinking (XC5410) ²	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.33
302033	LT1814-81	LED	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.88	0.10	2.1	23.1	635	22	*	.095	.075
2006756	LTL-5224	LTO	1	Hi-eff Red	Water clear, low profile, flanged	T1 3/4	0.197/5	0.24	1.01	0.10	2.0	29	623	44	*	.15	.12
334378	UT1841R-81R	JVP	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.098	.064
2006730	LTL-307E-3	LTO	1	Hi-eff Red	Red diffused, flanged	T1 3/4	0.197/5	0.34	0.87	0.10	2.0	12.6	635	40	*	.071	.056
697522	LTL-307ER	LTO	2	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.9	0.10	2.0	19	635	50	*	.071	.056
697602	LTL-4223R	LTO	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.0	19	635	36	*	.08	.07
697611	LTL-4224R	LTO	1	Hi-eff Red	Red transparent	T1 3/4	0.197/5	0.34	1.00	0.10	2.0	90	635	16	*	.072	.063
790081	LTL-10223W	LTO	2	Hi-eff Red	Red diffused (flangeless)	T1 3/4	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	*	.07	.056
2006692	LTL-10224WHCR	LTO	6	Hi-eff Red	Red diffused (LTL-10224W)	T1 3/4	0.197/5	0.44	0.49	0.10	2.0	60	635	30	.49	.45	.29
697573	LTL-4213	LTO	1	Bright Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	3.7	697	36	*	.08	.055
790225	LTL-307PR	LTO	2	Bright Red	Red diffused	T1 3/4	0.197/5	0.34	0.90	0.10	2.1	5.6	697	50	*	.071	.056
34711	LEG3362R *	JVP	1	Red/Green	White diffused bi-color/bi-state ¹	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.32	.27	.22

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 24 ¹ Reverse polarity to change color ² Volt. shown is operating volt. range; no current limiting resistor required.

Standard-Output LEDs continued on next page

* FSC = Fairchild Semiconductor | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite-On | UNI = Unity Opto Technology

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Standard-Output LEDs (Continued)

NEW
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Figure images on previous page

★ Web Code: FAF

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing		
								A"	B"						1	10	100
334182	LGH3362	JVP	4	Red/Green	White diff. bi-color/solid state ¹	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2 & 8	697/565	30	\$.34	\$.28	\$.21
34673	LHG3392	JVP	4	Red/Green	White diff. bi-color/tri-state ¹	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.29	.25	.22
697557	LTL-30EFJ	LTO	1	Bright Red/Gm	White diffused, bi-color	T1 3/4	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.29	.25	.21
1995927	LTL-10253	LTO	1	Yellow	Yellow diffused, flanged	T1 3/4	0.187/4.75	0.283	1.00	0.10	2.1	12.6	585	60	*	.068	.054
697696	LTL-4253	LTO	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	19	585	36	*	.072	.063
34825	LY3330	JVP	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	.25	.19	.15
104264	LA93B/Y-1	JVP	5	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.44	.37	.22
334108	UT1831-81-S	JVP	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	*	.12	.09
333622	LHY3330/HO	JVP	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	.28	.25	.18
1956645	LTL307Y	LTO	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.90	0.10	0.1	29	585	50	*	.075	.055
697549	LTL-307Y	LTO	2	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.90	0.10	0.1	29	585	50	*	.071	.056
790381	LTL-553-11	LTO	5	Yellow	Yellow diffused, right angle PCB	T1 3/4	0.189/4.8	0.37	0.32	0.10	2.1	12.6	585	60	*	.171	.135
152831	LT1831-81-UR	LED	1	Bright yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0	424	593	41	.29	.26	.232
34761	LG3330	JVP	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	*	.15	.14
253833	HLMP-4740	FSC	1	Green	Green diffused	T1 3/4	0.197/5	0.36	1.00	0.10	2.2	2.3	565	50	.25	.23	.205
334086	LG13740	JVP	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	.11	.09
104256	LA93B/G-1	JVP	5	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	.26	.22	.20
1956653	LTL-4233	LTO	1	Green	Green diffused	T1 3/4	0.197/5	0.40	1.00	0.10	2.1	19	565	36	*	.075	.06
697653	LTL-4233	LTO	1	Green	Green diffused	T1 3/4	0.197/5	0.40	1.00	0.10	2.1	19	565	36	*	.087	.068
697661	LTL4234	LTO	1	Green	Green transparent	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	60	565	16	*	.081	.068
697531	LTL-307G	LTO	1	Green	Green diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	19	565	50	*	.071	.056
156962	LT1823-81-HE	LED	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1	500	567	19	*	.19	.17
790321	LTL4238	LTO	1	Green	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	90	565	16	*	.108	.081
152822	LT1821-81-HE	LED	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1	96	567	41	*	.16	.12
333227	LG13530	JVP	2	Hi-eff green	Green diffused (flangeless)	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	25	565	70	*	.09	.081
2006764	LTL-2R3CBD3	LTO	1	Blue	Blue diffused, flanged	T1 3/4	0.197/5	0.34	0.87	0.10	3.5	50	468	45	.89	.75	.69
138691	LVB3330	JVP	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	1.75	1.58	1.26
137613	LSBI3333	JVP	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	1.75	1.58	1.43
138683	LHR3630	JVP	2	Red	Red diffused XJumbo (XC10R)	T3 3/4	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.45	.405	.30
790356	LTL-433G	LTO	7	Green	Green diffused, rectangular (2 x 5mm)	—	—	0.30	1.00	0.10	2.1	3.7	565	140	*	.072	.063

* 10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 24 ¹ Reverse polarity to change color

Medium-Output LEDs

NEW
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Figure images on previous page

★ Web Code: MBW

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing		
								A"	B"						1	10	100
156954	LT0373-41	LED	1	Red Super Bright	Water clear	T1	0.119/3	0.21	1.07	0.08	1.7	600	660	46	\$.29	\$.24	\$.22
98968	QLMP-LB98	AVT	2	Blue	Blue clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	550	470	70	.69	.59	.45
334749	UT63B3-41-UR33	JVP	1	Blue	Water clear	T1	0.119/3	0.17	0.94	0.10	3.2	900	470	45	1.25	1.13	1.01
334764	CMD204UWC-JV	JVP	1	White	Water clear	T1	0.119/3	0.20	1.00	0.10	3.7	900	475	30	2.35	2.10	1.57
2077052	HLMP-ED31	AGT	2	Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.0	1000	630	30	*	.19	.15
206519	LHR3331	JVP	1	Red	Red transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.0	660	550	20	.25	.22	.20
152864	BVU-501RD4	JVP	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	600	660	20	*	.127	.093
152792	LT1833-81- M1	LED	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	2.1	1040	593	19	*	.17	.15
206501	LVS3331	JVP	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24	1.07	0.07	2.2	700	595	20	.29	.258	.176
333551	LVG13233	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.7	600	565	18	*	.171	.157
1555331	HLMP-CB30-M0000	AVT	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	520	470	30	.77	.68	.62
334465	LDBK3331/HO	JVP	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	900	470	26	1.46	1.29	1.19

High-Output LEDs

• Typical DC forward current 20mA

NEW
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Figure images on previous page

★ Web Code: RBJ

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing		
								A"	B"						1	10	100
98950	QLMP-LM98	AVT	2	Green	Green clear (oval)	T1	0.119/3	0.28	0.94	0.10	3.2	2400	525	70	\$.29	\$.25	\$.19
1260891	LTW-42NCS	LTO	2	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.5	1100	—	45	1.34	1.13	.89
217525	MCDPW-3004C	JVP	2	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	2.69	2.55	2.43
197641	BVT-529T8E	JVP	2	Yellow	Yellow clear (oval)	T1 1/2	0.178/4.5	0.29	1.09	0.08	2.3	3600	592	70	.82	.74	.67
206801	LTL-2H3VAKNT	LTO	1	Red	Water clear, flanged	T1 3/4	0.197/5	0.34	0.87	0.10	2.0	3400	621	15	.29	.25	.19
261622	LT1873-81-UR-P22	LED	2	Red	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	1200	660	25	*	.20	.19
197617	BVU-5E1QH4E	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	.39	.332	.29
334423	UT9C13-86-UDC2	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.30	.255	.144
333518	LUR13233	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	.26	.23	.18
333526	LUR3833	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	*	.196	.132

* AGT = Agilent | AVT = Avago Technology | FSC = Fairchild Semi | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite-On

High-Output LEDs continued on next page

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

High-Output & Subminiature LEDs



High-Output LEDs (Continued)

• Typical DC forward current 20mA

• Blue Part No. = Limited Quantity Available

Figure images on page 20

*Web Code: RBJ
* Order in multiples of 10

Part No.	Product No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter Inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle°	Pricing		
								A"	B"						1	10	100
1586189	UT1813-83-UJEI	LED	1	Red	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	5500	632	25	\$.39	\$.35	\$.29
1584917	HLMP-EG08-Y2000	AVT	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	1.9	9300	635	6	.69	.405	.237
333447	UT1873-81-UR-P22R	LED	2	Super Red	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	1600	660	25	*	.19	.125
152805	LT1873-81-UR	LED	1	Ult. Bright Red	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	2000	660	12	*	.19	.17
334481	UT1813-86-UC9T-P27	LED	1	Ult. Bright Red	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.2	3500	630	15	.33	.304	.281
197683	BVT-5E1QT4ER	JVP	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.67	.59	.48
2006799	LTL-2R3VYKNT	LTO	1	Orange	Water clear, flanged	T1 3/4	0.197/5	0.34	0.87	0.10	2.0	1300	595	30	.29	.25	.19
333657	LUE3333	LIG	2	Orange	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.1	3400	620	20	.26	.234	.187
333673	LUE3833	LIG	2	Orange	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.1	5000	620	12	.33	.27	.177
215598	LT2K33-81-UC9TR	LED	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	0.89	0.10	2.2	5000	592	5	.59	.55	.49
333577	LUYS3333	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	*	.19	.143
333606	LHY3833	LIG	2	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.94	0.10	2.1	2700	595	12	.30	.26	.21
333614	LUY3833H	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.35	.29	.25
333569	LUY333A	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.00	0.10	1.7	1500	595	20	*	.132	.119
197675	BVT-5E1TT4E	JVP	2	Yellow	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	2.3	7800	592	15	.31	.29	.27
2006772	LTL-2H3VYKNJ1	LTO	1	Amber/Yellow	Water clear, flanged	T1 3/4	0.197/5	0.34	0.87	0.10	2.0	3400	595	15	.29	.25	.19
2006781	LTL-2R3SYKS	LTO	1	Amber	Water clear, flanged	T1 3/4	0.197/5	0.34	0.87	0.10	2.2	2800	594	30	.39	.35	.29
334473R	LDGL3333/HO	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.79	1.49	1.09
183214	MCDPG-503PC1	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	1.69	1.53	1.15
1586197	UT4123-4D-UBC	LED	1	Green	Water clear	T1 3/4	0.197/5	0.32	1.00	0.10	3.0	2500	500	28	.79	.67	.59
2077079	HLMP-CM39-UVCCD	AGT	2	Green	Untinted/Non-diffused	T1 3/4	0.197/5	0.34	0.94	0.10	3.2	5000	535	30	1.25	.99	.69
183222	MCDL-513SBC4	JVP	1	Blue	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	1.75	1.59	1.45
1584861	HLMP-CB15-R0000	AVT	1	Blue	Blue untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	3.8	1500	472	15	1.29	.82	.62
1584870	HLMP-CW30-SV000	AVT	1	White	Untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	3.6	1900	—	30	.95	.86	.65
334502	LWK3333	JVP	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	1.95	1.75	1.55
334773	UT18W3-86-UF1-P22	JVP	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	—	25	2.69	2.34	2.10
183231	BVU-5C14WK4-B	JVP	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	1.95	1.75	1.59
142894	BVU-5E1WK4-B	JVP	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	2.89	2.59	2.29
1870796	MV8W00	FSC	1	White	Water clear	T1 3/4	0.197/5	0.33	1.00	0.10	3.8	2500	—	20	2.99	2.69	2.29
320531	MCDL-5013UWC	JVP	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.09	.99	.89
2077061	EM-503QWC-R12	JVP	2	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	4.5	5000	—	25	1.49	1.25	.89
2005702	LTL912VEKSA	LTO	3	Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.1	1200	632	50	.45	.35	.29
664405	MCDL-1860UEC-TL	JVP	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.18	1.04
1952222	LTL912SEKSA	LTO	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	3750	628	60	.59	.49	.45
664413	MCDL-1870UEC-TL	JVP	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	1.39	1.25	.99
2005690	LTL911VYKSA	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.1	600	595	70	.45	.35	.29
2005729	LTL9145YKS	LTO	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	2000	596	70	.49	.39	.32
664392	MCDL-1870UYC-TL	JVP	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	590	40	.63	.56	.51
404603	MCDL-1860UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	1.69	1.49	1.35
664376	MCDL-1870UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.95	1.45
404591	MCDL-1860UBC-15C	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.95	1.45
664368	MCDL-1870UBC-TL	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2300	470	40	2.15	1.94	1.55
664341	MCDL-1870UWC-15C	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	2.75	2.45	2.19
404582	MCDL-1860UWC-15C	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	2.25	1.95	1.45
2005737	LTL-811Y	LTO	4	Yellow	Sphere lens (12-pin)	20mm dome	0.8/20	0.91	0.53	0.60	2.1	25	565	30	1.49	1.25	.99



Fig. 1 (Flat Top)

*Web Code: SML

1.90mm (.075") Subminiature LEDs

Flat-Top or Dome Style

NEW MARKED IN PINK



Fig. 2 (Dome)

* Order in multiples of 10

Part No.	Mfr. Part No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf @ If	Iv Typical mcd @ mA	Wavelength (nm)	Viewing Angle°	Pricing		
										1	10	100
1555690	HLMP-P205-F0011	AVT	1	Hi-eff. Red	Non-diffused, untinted	1.8 @ 10	8 @ 10	635	125	*	\$.31	\$.27
1555817	HLMT-PH00-P0011	AGT	1	Red Orange	Non-diffused, untinted	2 @ 20	120 @ 20	621	125	*	.351	.306
1555711	HLMP-P205-G0011	AVT	1	Hi-perf. Green	Non-diffused, untinted	2.1 @ 10	6.3 @ 10	565	125	*	.261	.225
1554902	HLMP-6000	AVT	2	Red	Diffused, tinted	1.6 @ 10	1.2 @ 10	655	90	.53	.243	.207
1584976	HLMP-Q156-H0021	AVT	2	Red	Non-diffused, untinted	1.6 @ 0.5	7 @ 0.5	654	15	*	.35	.46
1584968	HLMP-Q106-R0011	AVT	2	Red	Non-diffused, untinted	1.9 @ 20	400 @ 10	654	15	*	.41	.382
1555219	HLMP-7000	AVT	2	Hi-eff. Red	Diffused, tinted	1.8 @ 10	1 @ 2	635	90	.53	.243	.207
1555147	HLMP-6620	AVT	2	Hi-eff. Red	Diffused, with resistor	5 @ 4	2 @ 5	635	90	*	.387	.351
1584802	HLMP-7019	AVT	2	Yellow	Diffused, tinted	2 @ 10	0.6 @ 2	583	90	*	.27	.235
1554996	HLMP-6400	AVT	2	Yellow	Diffused, tinted	2 @ 10	9 @ 10	583	90	*	.243	.207
1555041	HLMP-6500	AVT	2	Hi-perf. Green	Diffused, tinted	2.1 @ 10	7 @ 10	565	90	*	.243	.207
1555059	HLMP-6500-F0010	AVT	2	Hi-perf. Green	Diffused, tinted (right angle housing)	2.1 @ 10	7 @ 10	565	90	*	.297	.261
1555104	HLMP-6505-L0021	AVT	2	Hi-perf. Green	Non-diffused, untinted	2.1 @ 10	40 @ 10	565	28	.38	.261	.225
1584790	HLMP-6820	AVT	2	Hi-perf. Green	Diffused, with resistor	5 @ 4	2 @ 5	565	90	*	.43	.39

* AGT = Agilent | AVT = Avago Technology | FSC = Fairchild Semi | JVP = Jameco ValuePro | LED = Ledtech | LIG = Ligitex | LTO = Lite-On

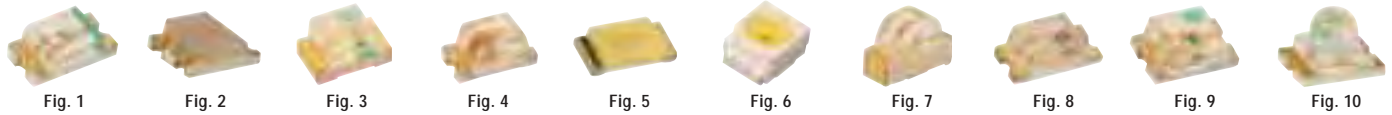
*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Surface Mount LEDs

NEW
 MARKED IN PINK



Standard Surface Mount LEDs

*Web Code: SSM

* Order in multiples of 10

Part No.	Mfr. Part No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing		
											1	10	100
1556414	HSMH-C150	AVT	1	Red	Water clear	1.8	20	17 @ 20	630	130	*	\$.184	\$.138
697733	LTST-C150CKT	LTO	1	Red	Water clear	1.8	40	25 @ 20	660	130	*	.09	.081
1996111	LTST-C150YKT	LTO	1	Yellow	Water clear	2.1	20	6 @ 10	585	130	*	.063	.045
697741	LTST-C150GKT	LTO	1	Green	Water clear	2.1	30	6 @ 10	565	130	*	.063	.045
2046441	LTST-C150CBKT	LTO	1	Blue	Water clear	3.7	20	20 @ 20	468	130	*	.49	.49
1556300	HSMF-C155	AVT	2	Hi-eff Red/Green	Water clear	2.1/2.2	20/20	10/15 @ 20	630/570	170/170	.34	.171	.128
1556422	HSMH-C170	AVT	1	Red	Water clear	1.8	20	17 @ 20	660	170	*	.162	.122
697768	LTST-C170GKT	LTO	3	Green	Water clear	2.1	30	6 @ 10	565	130	*	.058	.056
1260357	LTST-C190CKT	LTO	4	Red	Water clear	1.8	40	10 @ 10	660	130	*	.063	.045
1556431	HSMH-C190	AVT	4	Red	Water clear	1.8	20	17 @ 20	610	170	*	.135	.108
1260365	LTST-C150EKT	LTO	4	Red Orange	Water clear	2.0	30	2 @ 10	630	130	*	.054	.045
697813	LTST-C190YKT	LTO	4	Yellow	Water clear	2.1	20	6 @ 10	585	130	*	.063	.045
697805	LTST-C190GKT	LTO	4	Green	Water clear	2.1	30	6 @ 10	565	130	*	.063	.045
2033164	LTW-C193TS5	LTO	5	White	Water clear	2.95	20	78 @ 5	—	130	*	.19	.15
658321	HSL-204DR	UNI	6	Red	Water clear	1.8	20	50 @ 20	657	130	*	.209	.188
334756	LT5KW3-AA-UAE3	JVP	6	White	Water clear	3.2	20	550 @ 20	—	120	.35	.305	.274
658347	HSL-204MW	UNI	6	White	Water clear	3.5	20	400 @ 20	—	130	.65	.55	.41
1557054	HSMG-C660	AVT	7	Red	Water clear	1.9	20	5 @ 20	639	155	.28	.225	.171
1556406	HSMG-C660	AVT	7	Green	Water clear	2.2	20	9 @ 20	570	155	.41	.225	.171
2047945	LTST-C191TBKT	LTO	8	Blue	Water clear	3.4	20	30 @ 20	468	130	*	.25	.19

Ultra-Bright AlInGaP Surface Mount LEDs

*Web Code: UBA

* Order in multiples of 10

Part No.	Mfr. Part No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	Typical Vf (V)	If Max. (mA)	Iv Typical mcd @ mA	Peak Wavelength (nm)	Viewing Angle (2x Theta)	Pricing		
											1	10	100
658312	MSL-154DR	UNI	1	Red	Water clear	1.8	20	22.5 @ 20	660	130	*	\$.12	\$.10
697750	LTST-C150KRKT	LTO	1	Super Red	Water clear	2.0	30	54 @ 20	639	130	*	.09	.072
1557020	HSMG-C150	AVT	1	Hi-eff Red	Water clear	2.1	20	10 @ 20	595	130	*	.184	.138
1557071	HSMY-C150	AVT	1	Yellow	Water clear	2.1	20	8 @ 20	589	130	*	.184	.138
658283	MSL-154G	UNI	1	Yellow Green	Water clear	2.2	20	6.5 @ 20	568	130	*	.12	.10
2039902	LTST-C150FKT	LTO	1	Green	Water clear	2.1	20	14.2 @ 20	565	130	*	.11	.09
1556369	HSMG-C150	AVT	1	Green	Water clear	2.2	20	15 @ 20	570	170	*	.184	.138
658304	MSL-174DR	UNI	4	Red	Water clear	1.8	20	22.5 @ 20	660	130	*	.10	.08
697784	LTST-C170KRKT	LTO	3	Super Red	Water clear	2.0	30	54 @ 20	639	130	*	.09	.072
697792	LTST-C170YKKT	LTO	3	Yellow	Water clear	2.0	20	50 @ 20	595	130	*	.081	.068
697776	LTST-C170KGKT	LTO	3	Green	Water clear	2.0	30	35 @ 20	574	130	*	.077	.063
658291	MSL-194DR	UNI	4	Red	Water clear	1.8	20	22.5 @ 20	660	130	*	.10	.08
1557046	HSMG-C190	AVT	4	Hi-eff Red	Water clear	2.1	30	10 @ 20	630	130	*	.198	.149
1556385	HSMG-C190	AVT	4	Green	Water clear	2.2	20	15 @ 20	570	130	*	.135	.108
1556211	HSMC-A100-Q00J1	AVT	6	Red	Water clear	1.9	20	100 @ 20	635	120	*	.171	.135
1585101	HSMC-A100-R00J1	AVT	6	Red	Water clear	3.9	20	140 @ 20	639	120	*	.19	.15
658339	MSL-204UYL	UNI	6	Yellow	Water clear	2.0	20	120 @ 20	592	120	.39	.35	.29
1585055	HSMC-A100-Q00J1	AVT	6	Yellow Amber	Water clear	2.1	20	100 @ 20	592	120	*	.19	.15
1556342	HSMG-A100-J02J1	AVT	6	Yellow Green	Water clear	2.2	20	18 @ 20	565	120	*	.128	.081
692537	MSL-204G	UNI	6	Green	Water clear	2.1	20	120 @ 20	570	120	.39	.35	.29
658355	MSL-204MB	UNI	6	Blue	Water clear	3.5	20	120 @ 20	468	120	.79	.59	.49
2075671	LTST-C191AKT	LTO	8	Orange	Water clear	2.1	20	2 @ 10	610	130	*	.10	.08
2075680	LTST-C191KSKT	LTO	8	Yellow	Water clear	2.1	20	4.5 @ 10	585	130	*	.11	.09
2075612	LTST-C171KEKT	LTO	9	Red	Water clear	2.0	20	50 @ 20	632	130	*	.11	.09
2075639	LTST-C171KSKT	LTO	9	Yellow	Water clear	2.0	30	60 @ 20	588	130	*	.11	.09
2075621	LTST-C171KYKT	LTO	9	Amber Yellow	Water clear	2.0	30	50 @ 20	595	130	*	.11	.09
2075663	LTST-C190KFKT	LTO	9	Amber	Water clear	2.0	30	60 @ 20	611	130	*	.10	.08
697830	LTST-C930KRKT	LTO	10	Super Red	Water clear	2.0	30	850 @ 10	639	25	*	.15	.12
2075701	LTST-C930KAKT	LTO	10	Red Orange	Water clear	2.0	30	1050 @ 10	621	25	*	.13	.11
697821	LTST-C930KGKT	LTO	10	Green	Water clear	2.0	30	365 @ 20	574	25	*	.135	.108

* AVT = Avago Technology | JVP = Jameco ValuePro | LTO = Lite-On | UNI = Unity Opto Technology

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

Dialight

PCB Indicator LEDs

- Lead size: T1
- Lead spacing: 0.1mm
- Typical Vf: 2.1
- Diameter inch/mm: 0.119/3

1715438: Dimension: 0.28" x 0.145"

1717142: Dimension: 0.60" x 0.145"

Part No.	Mfr. Part No.	Emitting Color	WaveLength nm	Viewing Angle	Pricing		
					1	10	100
1715438	551-0207F	High efficiency green	563	45	\$.56	\$.53	\$.44
1717142	564-0100-222F	Green	565	60	2.25	1.74	1.62

*Web Code: JEB

AVAGO

LED Housing

- Right angle housing
- For T1 3/4 LEDs

Part No.	Mfr. Part No.		1	10	100
1554890	HLMP-5029		\$.44	\$.261	\$.171

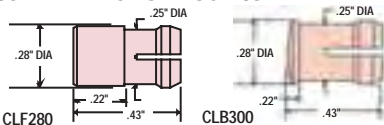
*Web Code: XDT

7U

T1 3/4 Cliplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red and clear.

*Web Code: UAK



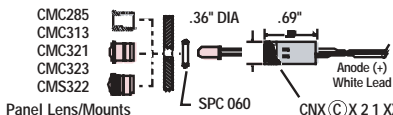
Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
29612	CLF280RTP	T1 3/4	Red	\$.29	\$.255	\$.182	\$.138
14277	CLF280CTP	T1 3/4	Clear	.30	.282	.237	.172
124927	CLB300CTP	T1 3/4	Clear	.29	.255	.182	.138

7U

Conxrite Pre-Wired Solderless LED Interconnect

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

- T1 3/4 (5mm) bi-lead LED
- 2-position connector



Part No.	Mfr. Part No.	Length	1	10	100	1000
143037	CNXCE2108	8"	\$1.49	\$1.29	\$1.25	\$1.19

*Web Code: UAK

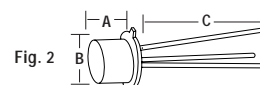
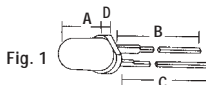
Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics

NEW MARKED IN PINK

*Web Code: VAP

Part No.	Product No.	*Mfr.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vf @ If	nm	mWatts	Pricing		
							A	B	C	D				1	10	100
112150	LIR2043	LIG	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	\$.25	\$.196	\$.134
372710	UT0383-41-940	JVP	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.16	0.88	0.94	0.04	1.3V @ 50mA	940	13	*	.225	.151
1950825	L-34F3CS	♦	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.00	1.06	0.04	1.2V @ 20mA	940	80	.66	.62	.58
112176	LPT2023	LIG	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	30V @ 0.1A	940	100	.39	.29	.19
1872265	OP505A	OPT	1	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	0.50	0.03	30VBRCEO @100µA	850	100	.66	.60	.56
1872151	OP290A	OPT	1	Infrared emitter diode	T1 3/4	0.195/5.0	0.30	0.75	1.00	0.04	4.0 @ 1.5A	890	333	.82	.76	.74
106526	LVR3333	LIG	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19
1950622	TSHA5502	VSH	1	Infrared emitter diode (GaAs)	T1 3/4	0.200/5	0.30	0.97	1.04	0.04	1.5 @ 1mA	870	210	.49	.39	.29
373000	UT1893-91-0125	JVP	1	Infrared phototransistor	T1 3/4	0.200/5	0.34	0.88	0.94	0.04	30V @ 0.1A	870	20	.34	.274	.19
112169	UT1893-82-0125-R	LED	1	Infrared phototransistor	T1 3/4	0.200/5	0.31	1.05	1.10	0.04	30V @ 0.1A	940	20	.36	.30	.24
1872441	OP999	OPT	1	PIN silicon photodiode	T1 3/4	0.205/5.3	0.31	0.69	0.75	0.04	1.2Vf @ 1mA	200	100	.87	.82	.77
120221	BPW77NA	♦	2	NPN phototransistor	TO-18	0.18/4.69	0.24	0.19	0.52	0.01	—	850	250	1.99	1.89	1.55
1872249	OP298B	OPT	1	Infrared emitter diode	TO-46	0.183/4.7	0.20	0.69	0.75	0.03	2.0 @ 1.5A	890	142	1.05	1.00	.74
1950649	BPV22NF(L)	OPT	3	High speed photo diode	T1 3/4	0.195/5.0	0.24	1.00	1.00	—	1.0 @ 50mA	940	215	.59	.55	.49



* Order in multiples of 10

velleman Electroluminescence Wire

Imagine the possibilities of transforming ordinary objects with high tech visual effects. Wrap this fluorescent wire around any objects such as musical instruments, models, science projects, and presentation boards. Super charge your projects with brilliant color.

- Powered by 2 AA batteries
- Length: 4.5'

Part No.	Mfr. Part No.	Color	1	10	25
263484	NWRB15	Blue	\$19.95	\$17.95	\$15.95

*Web Code: ELW

LED Mounting Hardware

- Color: black
- Order in multiples of 10

*Web Code: KAL



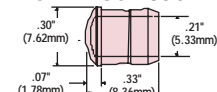
Part No.	Mfr. P/N	Mfr.	Description	Mounting Hole Dia.	Panel Thickness	Pricing		
						10	100	1000
95513	LMH100	LIG	T1 snap-in	.185"	Up to .070"	\$.088	\$.07	\$.046
23077	LMH200	LIG	T1 3/4 ring/clip	.257"	Up to .125"	.15	.14	.12
1766526	4304MC	CML	T1 3/4 ring/clip	.250"	Up to .125"	.143	.113	.09

7U

Cliplite® Panel Lens for PCB Mounted LEDs

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

*Web Code: UAK

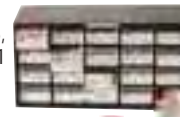


Part No.	Mfr. Part No.	Size	Color	1	10	100	1000
143132	CMC321CTP	T1 3/4	Clear	\$.73	\$.65	\$.59	\$.53

LEDs & LED Mounting Hardware Kit

Includes:

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and labels
- 10 ea. standard-output LEDs (34657, 114673, 114681, 34606, 34825, 34711, 104248, 34690, 34761, 104256, 34673), pg 21 & 11359, on web and LED lens mount (14277), pg 24
- 100 ea. LEDs (202471), pg 20 & 2006730, pg 21
- 100 ea. LED mounting hardware (95513, 23077), pg 24



Part No.	Description	Wt. (lbs.)	1	10
84996	560 piece kit	5.0	\$69.95	\$59.95

SAVE \$7

JAMECO BenchPro

2 thru 150mA LED Tester

Pocket-size LED tester makes it easy to check functionality, color, brightness, uniformity and side-by-side testing. Plug any leaded LED into any 2 rows of sockets. 13.1" spaced positions test T1 and T1 3/4 LEDs from 2 to 30mA; 13.2" spaced positions test larger footprint (high flux) LEDs from 20 to 150mA. Uses 9V battery (P/N 198731 – sold separately)



Part No.	Description	Size (L x W x H)	1	10
355805	LED tester	3.1" x 2.2" x 0.9"	\$9.95	\$7.95



7-Segment LED Displays

Soldering: • Soldering bath: not more than 5 seconds @ 260°C • Soldering iron: not more than 3 seconds @ 300°C under 30W

NEW
MARKED IN PINK

QUANTITY
SAVE
★ Web Code: PBW

Single Digit Numeric LED Displays

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
1955677	Lite-On	LTS-2801AG	0.28"	Green	CA	10	2.0 @ 10	0.1 @ 5	565	RHDP	\$1.09	\$.99	\$.89
24732	MCD	GNS-3011BH-11	0.30"	Red	CA	10	1.9 @ 20	0.3 @ 20	697	RHDP	.89	.75	.55
24783	MCD	GNS-3011CH-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	1.09	.99	.89
24782	Ligitek	LSD3211-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	1.15	.99	.85
24741	MCD	GNS3011FH-11-13	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.95	.81	.71
334984	Jameco ValuePro	UA3051-12	0.30"	Red	CA	11	2.1 @ 20	0.8 @ 10	700	RHDP	.95	.83	.71
334800	Jameco ValuePro	UC3051-11	0.30"	Red	CC	10	2.1 @ 20	0.8 @ 10	700	RHDP	.84	.80	.76
789953	Lite-On	LSHD-7501	0.30"	AllnGap Red	CA	10	2.1 @ 20	12 @ 10	632	RHDP	.59	.441	.369
335011	Jameco ValuePro	UA3041-12	0.30"	Orange	CA	11	2.1 @ 20	3.3 @ 10	635	RHDP	1.19	1.05	.95
320469	Jameco ValuePro	UA3031-16-EWRN	0.30"	Yellow	CA	11	3.0 @ 20	2.3 @ 10	585	LHDP/RHDP	.85	.75	.65
2079226	Ligitek	LSD3352-20/RP4	0.32"	Green	CC	14	2.1 @ 20	3.5 @ 10	565	RHDP	1.19	.99	.89
2075698	Ligitek	LSD3362-20/RP4	0.32"	Green	CA	14	2.1 @ 20	3.5 @ 10	565	RHDP	1.19	.99	.89
1955714	Lite-On	LTS-367R	0.36"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	1.09	.99	.89
1955722	Lite-On	LTS-4801R	0.40"	Red	CA	10	1.7 @ 20	0.5 @ 10	655	RHDP	1.15	.99	.89
1955731	Lite-On	LTS-4301R	0.40"	Red	CC	10	1.7 @ 20	0.5 @ 10	655	RHDP	1.15	.99	.89
2005411	Lite-On	LTS-4980AHR	0.40"	Hi-eff Red	CC	14	2.1 @ 20	2.2 @ 10	635	RHDP	.89	.75	.59
1996081	Lite-On	LTS-4510AG	0.40"	Green	CA	14	2.1 @ 20	2.2 @ 10	565	RHDP	1.04	.89	.80
2075719	Ligitek	LSD4012-20A	0.40"	Green	CC	14	2.1 @ 20	2.5 @ 10	565	RHDP	1.15	.99	.89
2075727	Ligitek	LSD401SBKS-20A	0.40"	Blue	CC	14	3.5 @ 20	12.8 @ 10	460	RHDP	3.25	2.65	2.23
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.45	1.23	1.09
17187	Ligitek	LSD5051-11	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
1955749	Lite-On	LTS-5301AR	0.56"	Red	CA	10	1.7 @ 20	0.6 @ 10	655	RHDP	1.39	1.19	.99
1955757	Lite-On	LTS-6780R	0.56"	Red	CC	10	1.7 @ 20	0.6 @ 10	655	RHDP	1.39	1.19	.99
335090	Jameco ValuePro	UA5651-11	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.29	1.15	1.09
2005438	Lite-On	LTS-5503	0.56"	AllnGap Red	CC	10	2.1 @ 20	17 @ 10	632	RHDP	.85	.69	.55
1955765	Lite-On	LTS-6760P	0.56"	Bright Red	CA	10	2.1 @ 20	0.95 @ 10	697	RHDP	1.95	1.59	1.39
334896	Jameco ValuePro	UC5641R-11	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.19	.99	.79
335101	Jameco ValuePro	UA5641R-11	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.15	1.05	.95
1584335	Avago	HDSP-5501-GH000	0.56"	Hi-eff Red	CA	10	2.1 @ 20	2.8 @ 10	635	RHDP	3.39	3.19	3.03
104213	Ligitek	LSD5124-10	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.89	.89	.80
334880	Jameco ValuePro	UC5641-11	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.05	.95	.66
1955773	Lite-On	LTS-6680E	0.56"	Orange	CC	10	2.1 @ 20	2.4 @ 10	630	RHDP	1.39	1.19	.99
2005446	Lite-On	LTS-5701AY	0.56"	Yellow	CA	10	2.1 @ 20	2.4 @ 10	580	RHDP	1.19	.99	.85
1955790	Lite-On	LTS-6860Y	0.56"	Yellow	CA	10	2.1 @ 20	2.4 @ 10	585	RHDP	1.19	.99	.85
2075735	Ligitek	LSD5122-20/A	0.56"	Green	CA	10	2.1 @ 20	4.5 @ 10	565	RHDP	1.19	.99	.85
2075751	Ligitek	LSD5112-20/A	0.56"	Green	CC	10	2.1 @ 20	4.5 @ 10	565	RHDP	1.19	.99	.85
2075760	Ligitek	LSD512SBKS-20	0.56"	Blue	CA	10	3.5 @ 20	12.8 @ 10	460	RHDP	3.25	2.59	2.19
308259	Ledtech	LA8071-11-MIEWRW	0.80"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.49	1.25	.99
18753	Ligitek	LSD8151-10	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.45	1.31	.98
1955811	Lite-On	LTS-3401LC	0.80"	AlGaAs Red	CA	18	1.8 @ 20	8.0 @ 10	660	LHDP/RHDP	1.39	1.19	.99
1955829	Lite-On	LTS-3403LWC	0.80"	AlGaAs Red	CA	18	1.8 @ 20	3.75 @ 5	660	LHDP/RHDP	1.39	1.19	.99
18737	Ligitek	LSD816-11	0.80"	Orange Red	CA	13	1.6 @ 20	1.0 @ 20	655	RHDP	1.39	1.19	.99
2005462	Lite-On	LTS-3401LE	0.80"	Yellow	CA	18	2.1 @ 20	2.4 @ 10	630	LHDP/RHDP	1.59	1.35	1.19
1955837	Lite-On	LTS-3403LY	0.80"	Yellow	CC	18	2.1 @ 20	2.4 @ 10	585	LHDP/RHDP	1.59	1.35	1.19
2005489	Lite-On	LTS-3401LG	0.80"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	LHDP/RHDP	1.59	1.35	1.19
97199	Ligitek	LSD23265-10	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	5.95	5.29	3.95
97201	Ligitek	LSD23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	3.35	3.00	2.85
202518	Ligitek	LSD30165-20	3.00"	Orange Red	CA	10	8.0 @ 20	4.5 @ 10	635	RHDP	8.95	7.95	6.95
105591	Ligitek	LSD40054-20	4.00"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49
202500	Ligitek	LSD40064-20	4.00"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59
202526	Ligitek	LSD50065-20	5.00"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	13.95	12.49	10.95
202534	Ligitek	LSD50055-20	5.00"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	13.95	12.49	10.95

Single Digit Alphanumeric LED Displays

2076703	Ligitek	LSD3E62-20/A	0.39"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	\$1.69	\$1.39	\$1.19
2076691	Ligitek	LSD3E6SBKS-20/A	0.39"	Blue	CA	16	3.5 @ 20	7.2 @ 10	475	RHDP	3.49	3.65	2.95

* CA-Common Anode/CC-Common Cathode # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point † 5 diodes per segment

Continued on next page

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

7-Segment LED Displays & Light Bars

3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC HOUSE BRANDS FACTORY OVERRUN

7-Segment LED Displays (Continued)

Soldering: • Soldering bath: not more than 5 seconds @ 260°C • Soldering iron: not more than 3 seconds @ 300°C under 30W

2-Digit Numeric LED Displays

Photos on previous page

QUANTITY SAVE

★ Web Code: PBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
1955781	Lite-On	LTD-2701WC	0.28"	Red	CC	10	1.8 @ 20	3.1 @ 5	660	RHDP	\$1.59	\$1.34	\$1.13
1955845	Lite-On	LTD-383E-R2	0.30"	Red Orange	CA	16	2.0 @ 20	1.6 @ 10	630	RHDP	1.75	1.49	1.25
1955853	Lite-On	LTD-482P-YQ	0.40"	Bright Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	1.95	1.65	1.39
2075786	Ligitek	LDD4062-20/A	0.40"	Green	CA	16	2.1 @ 20	3.05 @ 10	565	RHDP	1.95	1.65	1.39
1955861	Lite-On	LTD-432GC	0.40"	Green	CC	16	2.1 @ 20	1.1 @ 10	565	RHDP	1.95	1.65	1.39
2005340	Lite-On	LTD-4608B	0.40"	Blue	CA	10	3.8 @ 20	3.6 @ 10	428	RHDP	5.95	5.49	4.95
24715	Ligitek	LDD5121-20	0.56"	Red	CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.49	1.26	1.07
24723	Ligitek	LDD5111-11	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.35	1.25	1.05
334933	Jameco ValuePro	UC5652-11	0.56"	Red	CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	3.39	3.05	2.75
24694	Ligitek	LDD5124	0.56"	Orange Red	CA	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98
24707	Ligitek	LDD5114-20	0.56"	Orange Red	CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98
790031	Lite-On	LTD-6940HR	0.56"	Hi-eff Red	CA	18	2.0 @ 20	2.4 @ 10	623	RHDP	1.07	1.05	1.01
334976	Jameco ValuePro	UA5642R-11	0.56"	Hi-eff Red	CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.29	1.15	1.03
790022	Lite-On	LTD-6410AG	0.56"	Green	CA	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.34	1.13	.89
2005358	Lite-On	LTD-5623BG	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	565	RHDP	1.95	1.75	1.49
2005366	Lite-On	LTD-6440G	0.56"	Green	CC	18	2.1 @ 20	2.4 @ 10	570	RHDP	1.95	1.75	1.49
2075794	Ligitek	LDD512SBKS-20/A	0.56"	Blue	CA	18	3.5 @ 20	58 @ 10	475	RHDP	5.95	5.19	4.49

2-Digit Alphanumeric LED Displays

2005382	Lite-On	LTP-4323P	0.40"	Bright Red	CC	20	2.1 @ 20	0.75 @ 10	697	RHDP	\$3.19	\$2.69	\$2.29
2005391	Lite-On	LTP-4323JD	0.40"	AllnGap Hyper Red	CC	20	2.1 @ 20	0.65 @ 10	650	RHDP	2.95	2.49	2.19
1955870	Lite-On	LTP-4323G	0.40"	Green	CC	20	2.1 @ 20	2.0 @ 10	569	RHDP	2.95	2.49	2.19
1955896	Lite-On	LTP-3786S-03	0.54"	AlGaAs Red	CA	18	1.8 @ 20	4.0 @ 10	660	RHDP	2.95	2.49	2.19
1955909	Lite-On	LTP-3785E-01	0.54"	Red Orange	CA	18	2.0 @ 20	2.0 @ 10	630	RHDP	2.95	2.49	2.19
1955933	Lite-On	LTP-8647AP	0.54"	Bright Red	↑↑	18	12 @ 8.5	0.9 @ 0.4	697	RHDP	3.95	3.39	2.89
1955917	Lite-On	LTP-3785G-01	0.54"	Green	CA	18	2.1 @ 20	2.0 @ 10	565	RHDP	2.95	2.49	2.19
2075807	Ligitek	LDD525SBKS-20/A	0.56"	Blue	CC	18	3.5 @ 20	10.5 @ 10	460	RHDP	8.95	7.95	6.95

3-Digit Numeric LED Displays

335055	Jameco ValuePro	UN4043-13 EWRS	0.40"	Orange	CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	\$3.19	\$2.77	\$2.65
1956493	Lite-On	LTC561R	0.56"	Red	CA	12	1.7 @ 20	0.6 @ 10	665	RHDP	2.49	2.19	1.79
308224	Ledtech	LM5643R-11RRRN	0.56"	Orange	CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	1.85	1.66	1.45

4-Digit Numeric LED Displays

1956549	Lite-On	LTC-2623G	0.28"	Green	CA	16	2.1 @ 20	2.0 @ 10	575	RHDP	\$2.95	\$2.49	\$2.19
2006810	Ligitek	LFD2121-20/A-PF	0.28"	Red	CA	12	2.1 @ 20	0.8 @ 10	697	RHDP	2.95	2.49	2.19
2006828	Ligitek	LFD4161-20/A-PF	0.40"	Red	CA	16	2.1 @ 20	0.8 @ 10	697	RHDP	2.25	1.95	1.49
1956565	Lite-On	LTC-4627G	0.40"	Green	CA	16	2.1 @ 20	2.2 @ 10	575	RHDP	3.49	2.95	2.49
1956506	Lite-On	LTC-5837E	0.52"	Red Orange	CA	40	2.0 @ 20	2.2 @ 10	630	RHDP	3.95	3.39	2.89
2006836	Ligitek	LFD5221-20/A-PF	0.56"	Red	CA	12	2.1 @ 20	1.0 @ 10	697	RHDP	2.95	2.49	2.19
1956573	Lite-On	LTC-5848G	0.56"	Green	CA	36	2.1 @ 20	2.4 @ 10	565	RHDP##	3.95	3.39	2.89
2005711	Lite-On	LTC-5653G-01	0.56"	Green	CA	12	2.1 @ 20	2.4 @ 10	565	RHDP	4.95	4.49	3.95
335177	Jameco ValuePro	UA5624-11EWRS	0.56"	Green	CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.89	2.75	2.05

* CA-Common Anode/CC-Common Cathode ↑↑ Built in M5450 MOS IC driver # LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point ## 1st & 2nd digits only • Blue Part No. = Limited Quantity



Fig. 1



Fig. 2

Light Bars

NEW MARKED IN PINK

★ Web Code: LTB



Fig. 3



Fig. 4

Part No.	Manufacturer	Mfr. Part No.	Illuminated Color	Light Emitting Area	Package Fig.	Pins/Leads	Typical Forward Volt	Typical Luminosity	Wavelength nm	Pricing		
										1	10	100
2005315	Lite-On	LTL-2350HR	Hi-eff Red	.750" x .150" (1)	1	8	2.1 @ 20	800	635	\$1.19	\$.99	\$.79
790153	Lite-On	LTL-2450Y	Yellow	.750" x .150" (1)	1	8	2.1 @ 20	800	585	1.07	.89	.71
1954965	Lite-On	LTL-2600HR	Hi-eff Red	.350" x .150" (2)	2	8	2.1 @ 20	4200	635	1.25	1.05	.89
1954973	Lite-On	LTL-2800G	Green	.350" x .150" (2)	2	8	2.1 @ 20	4200	565	1.25	1.05	.89
790188	Lite-On	LTL-2620HR	Hi-eff Red	.350" x .150" (4)	3	16	2.1 @ 20	4200	635	1.34	1.13	.95
1954990	Lite-On	LTL-2820G	Green	.350" x .150" (4)	3	16	2.1 @ 20	4200	565	1.49	1.25	1.05
1955001	Lite-On	LTL-2720Y	Yellow	.350" x .150" (4)	3	16	2.1 @ 20	4200	585	1.49	1.25	1.05
2005323	Lite-On	LTL-2685HR	Hi-eff Red	.350" x .750" (1)	4	16	2.1 @ 20	1600	635	1.39	1.19	.89
2005331	Lite-On	LTL-2885G	Green	.350" x .750" (1)	4	16	2.1 @ 20	1600	565	1.59	1.35	1.19

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

• RoHS compliant product • This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



LED Bar Graph Arrays

Photos on page 25 or Web

★ Web Code: LBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
1954957	Lite-On	LTA-1000P	0.20"	Bright Red	10	20	2.1 @ 20	0.7 @ 10	697	\$1.05	\$0.85	\$0.69
697477	Lite-On	LTA-1000HR	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	1.05	.85	.69
334529	Jameco ValuePro	UL10000-HR-RRAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.29	1.09	.95
697469	Lite-On	LTA-1000G	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.05	.85	.69
334511	Jameco ValuePro	UL10000-E-EWAK	0.20"	Green	10	20	2.1 @ 20	1.4 @ 10	567	1.25	1.05	.89
1551402	Avago	HDSP-4832	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20; 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	5.85	4.31	4.04

Optos

NEW
 MARKED IN PINK

LED Dot Matrix Displays (4x7, 5x7, 5x8 & 8x8 Arrays)

Photos on page 25 or Web

★ Web Code: HAV

Part No.	Manufacturer	Mfr. Part No.	Character Height	Illuminated Color	Array Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
32951	Texas Inst.	TIL311	0.27"	Red	4 x 7 Hex	14	5.0 @ 5	0.1 @ 5	660	\$19.95	\$16.95	\$14.49
218843	Various	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8.0 @ 20	660	2.49	2.25	1.89
118906	Lite-On	LTP747R	0.7"	Hi-eff. Red	5 x 7 AC/CR	12	2.0 @ 20	2.0 @ 80	655	2.49	2.25	1.89
2005420	Lite-On	LTP-747C	0.7"	AlGaAs Red	5 x 7 AC/CR	12	1.8 @ 20	5.8 @ 80	660	2.49	2.25	1.89
2005471	Lite-On	LTP-757KR	0.7"	AlInGaP Super Red	5 x 7 CC/AR	12	2.0 @ 20	3.4 @ 32	639	2.95	2.49	2.19
2005454	Lite-On	LTP-747E	0.7"	Orange	5 x 7 AC/CR	12	2.0 @ 20	2.0 @ 80	630	2.25	1.89	1.65
2005497	Lite-On	LTP-757G	0.7"	Green	5 x 7 CC/AR	12	2.1 @ 20	2.0 @ 80	565	1.95	1.49	1.19
1955061	Lite-On	LTP-1457AHR	1.2"	Hi-eff. Red	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	635	3.49	2.95	2.49
1955079	Lite-On	LTP-1557AHR	1.2"	Hi-eff. Red	5 x 7 CC/AR	14	2.1 @ 20	4.0 @ 80	565/630	3.49	2.95	2.49
2005500	Lite-On	LTP-1457AKR	1.2"	AlInGaP Super Red	5 x 7 AC/CR	14	2.1 @ 20	3.8 @ 80	639	3.49	2.95	2.49
2005518	Lite-On	LTP-1557AKA	1.2"	AlInGaP Red Orange	5 x 7 CC/AR	14	2.05 @ 20	3.8 @ 80	621	3.75	3.25	2.75
1955087	Lite-On	LTP-1257AA-01	1.2"	Green/Red Orange	5 x 7 AC/CR	20	2.1/2.0 @ 20	4.0 @ 80	565/630	3.49	2.95	2.49
1955108	Lite-On	LTP-1057AHR	1.24"	Hi-eff. Red	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	635	3.75	3.19	2.69
1955095	Lite-On	LTP-1057AE	1.24"	Red Orange	5 x 7 AC/CR	14	2.0 @ 20	4.0 @ 80	630	3.75	3.19	2.69
2005745	Lite-On	LTP-1057AGNB	1.24"	Green	5 x 7 AC/CR	14	2.1 @ 20	4.0 @ 80	565	3.49	2.95	2.49
1955132	Lite-On	LTP-2157AHR-RD	2.0"	Hi-eff. Red	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	635	3.95	3.35	2.89
2005753	Lite-On	LTP-2057AE	2.0"	Orange	5 x 7 AC/CR	14	2.0 @ 20	4.8 @ 80	630	3.95	3.35	2.89
1955116	Lite-On	LTP-2157AE	2.0"	Orange	5 x 7 CC/AR	14	2.0 @ 20	4.8 @ 80	630	3.95	3.35	2.89
206560	Lite-On	LTP-2157AG	2.0"	Green	5 x 7 CC/AR	14	2.1 @ 20	4.8 @ 80	565	3.95	3.35	2.89
2077351	Lite-On	LTP-2657AA	2.0"	Green/Red Orange	5 x 7 AC/CR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	3.95	3.35	2.89
1955159	Lite-On	LTP-2757AA	2.0"	Green/Red Orange	5 x 7 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	3.95	3.35	2.89
2005761	Lite-On	LTP-3057AC	3.0"	AlGaAs Red	5 x 7 AC/CR	14	3.6 @ 20	20 @ 80	660	5.95	5.35	4.79
1955167	Lite-On	LTP-4157AE	4.0"	Orange	5 x 7 CC/AR	14	4.0 @ 20	96 @ 80	630	4.95	4.19	3.59
1955175	Lite-On	LTP-4157AG	4.0"	Green	5 x 7 CC/AR	14	4.2 @ 20	96 @ 80	565	4.95	4.19	3.59
183265	Ligitek	LMD5821ASR-20	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	10.5 @ 10	660	4.95	4.19	3.59
1955183	Lite-On	LTP-2158AHR	2.3"	Hi-eff. Red	5 x 8 CC/AR	14	2.1 @ 20	4.0 @ 48	635	4.95	4.19	3.59
1955191	Lite-On	LTP-2158AY	2.3"	Yellow	5 x 8 CC/AR	14	2.1 @ 20	4.8 @ 80	585	4.95	4.19	3.59
1955204	Lite-On	LTP-2458AA-NB	2.3"	Green/Red Orange	5 x 8 AC/CR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	4.95	4.19	3.59
1955212	Lite-On	LTP-2558AA	2.3"	Green/Red Orange	5 x 8 CC/AR	28	2.1/2.0 @ 20	4.8 @ 80	565/630	4.95	4.19	3.59
1955221	Marktech	MTAN6385-AHRG	0.85"	Hi-eff. Red	8 x 8 AC/CR	24	2.1 @ 20	7.4 @ 20	635	4.95	4.19	3.59

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row

JAMECO ValuePro

LED Replacement Lamps

Cluster-Based LED T3 - Miniature Bayonet (BA9s) - Non-Polarized

- Low current draw – 90% less energy than incandescent
- No heat generated
- Mounts directly into industry standard socket
- Long life – up to 100k hours
- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

★ Web Code: KBZ

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392585	585-5523	Yellow	14	20	7000	588	\$9.95	\$8.95	\$6.75
392593	585-5225	Red	28	15	6500	630	9.95	8.95	7.95
392622	585-5525	Yellow	28	15	6000	588	11.95	10.95	9.95
392632	585-5256	Red	120VAC	5.5	6500	625	6.95	6.29	5.69
392649	585-5356	Green	120VAC	5.5	7000	525	5.39	4.95	4.45

JAMECO EXCLUSIVE

QUANTITY SAVE



392585



392593



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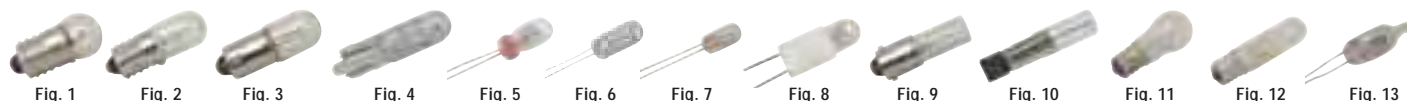
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3 LEVELS OF SAVINGS
 FRANCHISE SOURCED | GENERIC HOUSE BRANDS | FACTORY OVERRUN

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Lamps, LED Tail Lights & Light Strip Module

3 LEVELS OF SAVINGS
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JAMECO	ValuePro	Incandescent Lamps									
Part No.	Cross Ref.	*Mfr.	Fig.	Description	Volts	MSCP	1	5	10	*Web Code: DBH	
209390	14	JVP	1	G3 1/2 miniature screw	2.47	.50	\$.45	\$.296	\$.195		
209402	40	JVP	2	T3 1/4 miniature screw	6.3	.50	.34	.218	.172		
209429	46	JVP	2	T3 1/4 miniature screw	6.3	.90	.59	.53	.46		
209437	47	JVP	3	T3 1/4 miniature bayonet	6.3	.50	.25	.22	.18		
209488	86	JVP	4	T1 3/4 wedge	6.3	.40	.45	.35	.263		
209859	1818	JVP	3	T3 1/4 miniature bayonet	24.0	3.3	.49	.39	.293		
209867	1819	JVP	3	T3 1/4 miniature bayonet	28.0	3.0	.59	.50	.39		
141073	2182	JVP	6	T1 3/4 wire terminal	14.0	.34	.49	.39	.29		
141066	2200	JVP	6	T1 3/4 wire terminal	5.0	.05	.49	.39	.29		
141057	6833	JVP	7	T 3/4 wire terminal	5.0	.05	.39	.35	.26		
1943916	CM8-A241	+	5	T1 wire terminal w/ blue cap	12.0	.15	.29	.19	.15		

JAMECO	ValuePro	Incandescent Lamps (Cont.)									
Part No.	Cross Ref.	*Mfr.	Fig.	Description	Volts	MSCP	1	5	10		
210008	7328	JVP	8	T1 3/4 bi-pin	6.0	.60	\$.69	\$.59	\$.45		
210032	7382	JVP	8	T1 3/4 bi-pin	14.0	.30	.61	.49	.44		
210041	7387	JVP	8	T3 1/4 bi-pin	28.0	.30	.85	.77	.62		
210092	120MB	JVP	9	T2 miniature bayonet	120.0	1200	.75	.59	.49		
210104	120PSB	JVP	10	T3 1/4 bi-pin	28.0	.30	.75	.65	.55		
309673	6S6	+	11	S6 candelabra	120	—	.49	.39	.29		
309681	20T6	+	12	T6 1/2 20W intermediate	120	—	.49	.39	.29		

JAMECO		ValuePro		Neon Lamps				★ Web Code: VAD		
Part No.	Cross Ref.	*Mfr.	Fig.	Description	Voltage	1	5	10		
27351	A1A (NE-2)	JVP	13	Wire terminal .6mA	65-120	\$.42	\$.35	\$.31		
210315	C2A (NE-2H)	JVP	13	Wire terminal	65-120	.29	.19	.15		

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole dia.: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

*Web Code: JBJ

215803: Red

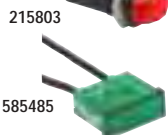
215812: Yellow

215830: Green

1585485: Green, rectangular

• 6" wire leads

• Size: .91"L x .38"W x .77"D



Part No.	Cross Ref. No.	1	10	100
215803	R9-71N-05-120V-R	\$2.09	\$1.86	\$1.58
215812	R9-71N-05-120V-Y	1.89	1.61	1.41
215830	R9-71N-05-120V-G	1.49	1.35	.99
1585485	32501001714	.49	.35	.19

CMC Neon Panel Mount Lamp

- 4.4"/4.8" wire leads
- Color: red
- 150VAC - 125VAC
- .310" Dia. mounting hole



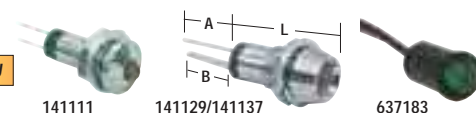
Part No.	Mfr. Part No.	1	10	100
1765849	2150A1	\$2.25	\$1.92	\$1.72

LED Panel Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

*Web Code: UAU

141111/141129/141137: Chrome housing



Part No.	Cross Ref. No.	Mfr.	LED Size	Color	Dimensions (in.)	Mounting	Vf @ If	Pricing
141111	L922SRD	Various	T1	Red	.56 .34 .25	.23"	2V @ 20mA	\$1.37 \$1.25 \$1.03
141129	L913RD	Various	T1	Red	.56 .39 .32	.24"	2V @ 20mA	1.39 .98 .86
141137	L917RD	Various	T1 1/4	Red	.70 .55 .47	.31"	2V @ 20mA	1.19 .99 .89
637183	UT2U1G-H113-R801-W05	Ledtech	T1 1/4	Green	.55 5.5 5.5	.24"	12V @ 30mA	1.37 1.25 1.03

12V Incandescent Panel Mount Lamps

- 215715/215732: solder terminals - 0.196" (5mm)

*Web Code: HBJ

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215774	R9-46B-W100-12V-R	1	Red	1/2" (13mm)	3.9" (100mm)	\$2.65	\$2.24	\$1.91
215782	R9-46B-W100-12V-Y	1	Yellow	1/2" (13mm)	3.9" (100mm)	1.69	1.44	1.20
215791	R9-46B-W100-12V-G	1	Green	1/2" (13mm)	3.9" (100mm)	1.69	1.49	1.29
215750	R9-55B-W130-12V-R	2	Red	9/32" (7mm)	4.9" (125mm)	1.95	1.70	1.44
215758	R9-55B-W130-12V-Y	2	Yellow	9/32" (7mm)	4.9" (125mm)	1.75	1.49	1.25
215766	R9-55B-W130-12V-G	2	Green	9/32" (7mm)	4.9" (125mm)	1.95	1.66	1.25
215715	R9-71B-05-12V-R	3	Red	5/8" (16mm)	Terminals	1.85	1.69	1.45
215732	R9-71B-05-12V-G	3	Green	5/8" (16mm)	Terminals	5.29	4.75	4.28



LITEON 4 1/2" LED Tail Lights

- Set of 4 lamps (SAE-J1133-DOT) with rubber seals for weather proofing/water resistance, and 16 mounting screws
- 12VDC @ 500mA
- Main power wire: 6' long
- 30 (T1 3/4) LEDs on each lamp
- LED color: red
- Tail cover color: red
- 3-wire interconnects w/ connectors 2" to 2.5", 2" to 4" wire length
- Use with automotives, cars, trucks, trailers and boats

NEW MARKED IN PINK



Part No.	Description	1	10	25
2076172	4-1/2" LED tail lights (set of 4)	\$59.95	\$54.95	\$49.95

Ledtech LED Light Strip Module

- LED sections: 6
- Lead length: 15"
- Typical applications: running light or light source for under cabinets, closets, RVs and enclosures
- Input voltage (typical): 12V @ 180mA
- MCD: 1000
- Viewing angle: 120°

*Web Code: BDZ

Part No.	Mfr. Part No.	Color	1	10	100
1586171	UY19209-627	White	\$24.95	\$22.49	\$19.95

* JKL = JKL Components | JVP = Jameco ValuePro | VLM = Velleman Inc. | + = Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

3 & 10W Constant Current LED Drivers

- Type: AC – DC
- Input voltage: 100-240VAC @ 50-60Hz
- 3-watt LED drivers can drive 2 to 8 1W LEDs or 1 to 3 3W LEDs
- 10-watt LED drivers can drive 3 to 8 1W LEDs
- Operating temperature range: -20°C to 40°C
- UL/CUL/CE approved
- 2006852/2006861: 20AWG, 3.9" wires
- 2006879/2006887: plug in type, 7ft. cable w/ 2.1mm x 5.5mm center positive

NEW
MARKED IN PINK

2006861/
2006852



2006887/
2006879

Part No.	Mfr. Part No.	Description	Output Volt./Curr.	1	10
2006861	LD-CU7021AF	3-watt LED driver	3-21VDC @ 700mA	\$19.99	\$18.99
2006887	LD-PI7021AF	3-watt LED driver	3-21VDC @ 700mA	19.99	18.99
2006852	LD-CU3536AF	10-watt LED driver	3-36VDC @ 350mA	18.99	17.99
2006879	LD-PI3536AF	10-watt LED driver	3-36VDC @ 350mA	18.99	17.99

Dual CCFL Kits

CCFL (cold cathode fluorescent lights) kits are great for under cabinet lighting, spot/track lighting, orientation/step lighting, gaming/casino lighting, task lighting, and appliance lighting applications. This kit is a dual CCFL that comes with an inverting power supply (12VDC @ 5mA input; 620V output), wire harnesses and connectors for easy set-up.

- Lamp diameter: 3mm (protected inside a clear acrylic tube)
- Length per lamp: 300mm (12")
- Supply voltage: 620V
- Brightness: 30,000cd
- Lamp current: 5mA
- Average lifespan: 30,000 hours

NEW
MARKED IN PINK

Part No.	Mfr. Part No.	Color	1	10
2006975	CCFL2W	White	\$18.49	\$17.99
2006983	CCFL2R	Red	18.49	17.99
2006991	CCFL2G	Green	18.49	17.99
2007003	CCFL2UV	Ultra violet	18.49	17.99
2007011	CCFL2BU	Blue	18.49	17.99

Flashing LED Sweetheart Kit

This kit shows a beating heart. Great for decorations!

- Power consumption: 8mA
- 46-piece kit
- Weight: 0.1 lbs.

Requires: 8 to 15VDC wall transformer (P/N 100095, pg 116) or 9VDC battery (P/N 151095, pg 122)

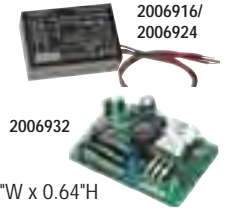
Part No.	Mfr. Part No.	Size	1	10	25
147555	MK101	1.3"L x 2.3"W x 1.3"H	\$9.95	\$8.95	\$7.95

* Educational Kits available online — enter web code PBR

Power LED Driver Module

- Delivers accurate constant current required by most high power LEDs
- High efficiency due to switch mode principle
- Built-in rectifier for easy connection to AC source
- Short-circuit protected
- Also suited as fixed current NiCd/NiMH battery charge circuit
- Input voltage: 6-12VAC/9-18VDC
- Power consumption: 650mA max.
- Constant current source:
- 2006916: 350mA, compatible with up to 4 L-HP1P series power LEDs
- 2006924: 700mA, compatible with up to 3 L-HP3P series power LEDs
- 2006932: 350mA or 700mA

NEW
MARKED IN PINK



Part No.	Mfr. Part No.	Description	1	10
2006916	VM143/1W	1-watt module	\$33.25	\$32.19
2006924	VM143/3W	3-watt module	36.95	35.45
2006932	K8071	1-watt/3-watt module kit	16.25	15.75

High Power LEDs

NEW
MARKED IN PINK

- Superior high-flux output and high luminance
- Low thermal resistance
- Color: pure white
- Forward voltage/current:
- ESD protection
- Viewing angle: 90°
- 2006895: 3.2V @ 350mA; 2006908: 3.2V @ 1A



Part No.	Mfr. Part No.	Description	Luminous Flux	1	10
2006895	L-HP1PW	1-watt power LED	40lm	\$7.39	\$7.15
2006908	L-HP3PW	3-watt power LED	120lm	14.25	13.79

Voice Activated LED Kit

Uses sound to activate the flashing of 4 bright red LEDs.

- Power consumption: 0.5mA min./12mA max.
- 33-piece kit

Requires: 8-15VDC power supply (P/N 100095, pg 116) or 9VDC battery (P/N 151095, pg 122)

Part No.	Mfr. Part No.	Dimensions	1	10
147571	MK103	2.5"L x 1.6"W x 1.4"H	\$10.65	\$9.59

Flashing LED Kit

Activates 2 flashing LEDs for applications such as model building.

- 5.5" wire w/ 9V battery connector
- Consumption: 4mA min.
- 23-piece kit

Requires: 9VDC battery (P/N 151095, pg 122)

Part No.	Mfr. Part No.	Dimensions	Wt. (lbs.)	1	10
147580	MK102	1.3"L x 1.4"W x 0.6"H	0.1	\$7.95	\$7.19

CdS Photocells

CdS Photocells

- Generate variable signal based on detection of light levels
- Soldering: 230°C for 3 seconds

- Cadmium Sulfide (CdS)
- Operating temperature: -30°C to +70°C

* Web Code: CBG

QUANTITY
SAVE

Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

Part No.	Cross Ref. No.	Rating		Resistance (Ω)		Size (Inches)		Lead Spacing (Inches)	Lead Length (Inches)	Pricing			
		Vp	mW	Dark	Light	A	B			1	10	100	1000
202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	\$1.69	\$1.52	\$1.22	\$0.99
120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.45	1.20	1.09	.99
202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	1.09
202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.55	1.49	1.35	1.19
202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	.78	.70	.64	.58
202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	.62	.56	.50	.45
202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	.73	.69	.65	.59
202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.34	1.07	.96
120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.09
120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.29
202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.75	1.69	1.52	1.35

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Electrolytic Capacitors



JAMECO ValuePro

Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

* Web Code: CBW

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



85°C – General Purpose

* Order in multiples of 10

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330941	RN1/50	1	50V	5 x 11 x 2.0	*	\$.15	\$.12	\$.09

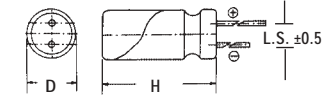
Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330915	RN10/25	10	25V	5 x 11.5 x 1.5	\$.35	\$.29	\$.22	\$.17

JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

* Web Code: CCE

† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UVR; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater

85°C – General Purpose

* Order in multiples of 10

* Order in multiples of 10

Part No.	Cross Ref. No.†	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
609043	UVR2A0R1MDD	JVP	0.1	100	5 x 11 x 2	*	\$.101	\$.071	\$.048
330465	RA0.47/50	JVP	0.47	50	5 x 11 x 2	*	.031	.028	.025
330431	RA1/25	JVP	1	25	5 x 11 x 2	*	.047	.041	.026
94161	5R1/50	JVP	1	50	4 x 5 x 1.5	*	.12	.10	.075
29831	R1/50	+	1	50	5 x 11 x 2	*	.063	.053	.042
29833	R1/50	JVP	1	50	5 x 11 x 2	*	.07	.058	.048
1946324	R2.2/6.3TR	+	2.2	6.3	4 x 8 x 4.5	*	.05	.04	.03
93731	R2.2/50	JVP	2.2	50	5 x 11 x 2	*	.038	.036	.034
31000	R4.7/50	+	4.7	50	5 x 11 x 2	*	.035	.028	.021
31002	R4.7/50	JVP	4.7	50	5 x 11 x 2	*	.038	.036	.034
1946332	R10/6.3TR	+	10	6.3	3 x 6 x 4	*	.06	.045	.03
1946341	R10/6.3ATR	+	10	6.3	4 x 7 x 5	*	.065	.05	.035
198838	R10J/16	JVP	10	16	5 x 11 x 2	*	.054	.036	.03
94212	5R10/25	JVP	10	25	4 x 5 x 1.5	*	.13	.08	.06
1946359	R10/25TR	+	10	25	4 x 7 x 5	*	.06	.04	.03
1946367	R10/25ATR	+	10	25	5 x 11 x 5	*	.065	.045	.035
94220	5R10/35	JVP	10	35	5 x 5 x 2	*	.083	.057	.056
94370	7R10/35	JVP	10	35	4 x 7 x 1.5	*	.11	.094	.071
29891	R10/50	+	10	50	5 x 11 x 2	*	.06	.05	.04
29893	R10/50	JVP	10	50	5 x 11 x 2	*	.067	.055	.045
330482	RA10/63	JVP	10	63	5 x 11 x 2	*	.039	.035	.031
330609	RA10/250	JVP	10	250	10 x 16 x 5	.35	.32	.25	.19
1946287	R22/10TR	+	22	10	5 x 11 x 5	*	.04	.03	.02
1946295	R22/16TR	+	22	16	5 x 12 x 5	*	.045	.035	.025
1946308	R22/25TR	+	22	25	5 x 11 x 5	*	.055	.04	.03
1946316	R22/50TR	+	22	50	5 x 12 x 5	*	.06	.045	.035
93739	R22/50	JVP	22	50	5 x 11 x 2	*	.065	.05	.04
93747	R33/50	JVP	33	50	6.3 x 11 x 2.5	*	.066	.06	.054
1946244	R47/16TR	+	47	16	5 x 12 x 5	*	.05	.04	.03
198863	R47J/16	JVP	47	16	6.3 x 11 x 2.5	*	.083	.071	.053
1946252	R47/35TR	+	47	35	6 x 12 x 5	*	.055	.045	.035
198952	R47J/35	JVP	47	35	5 x 11 x 2	*	.126	.088	.044
31114	R47/50	+	47	50	6 x 11 x 2.5	*	.06	.048	.036
31116	R47/50	JVP	47	50	6.3 x 11 x 2.5	*	.067	.056	.05
330562	RA47/160S	JVP	47	160	10 x 20 x 5	.32	.286	.257	.232
330617	RA47/250	JVP	47	250	13 x 25 x 5	.50	.45	.402	.362
330676	RA47/450	JVP	47	450	18 x 30 x 7.5	1.27	.97	.75	.54
1946261	R68/16TR	+	68	16	5 x 11 x 5	*	.06	.045	.035
330422	RA100/16	JVP	100	16	5 x 11 x 2	*	.068	.066	.058
94289	5R100/16	JVP	100	16	6.5 x 5 x 2.5	*	.15	.12	.09
94431	7R100/16	JVP	100	16	6 x 7 x 2.5	*	.068	.061	.055
93761	R100/25	+	100	25	6 x 11 x 2.5	*	.07	.06	.042
198970	R100J/35	JVP	100	35	6.3 x 11 x 2.5	*	.08	.07	.06
29962	R100/50	+	100	50	8 x 11 x 3.5	*	.084	.072	.06
29964	R100/50	JVP	100	50	8 x 11.5 x 3.5	*	.085	.075	.065
330529	RA100/100	JVP	100	100	10 x 17 x 5	.39	.35	.29	.22
330580	RA100/160S	JVP	100	160	16 x 25 x 7.5	.85	.75	.58	.41
330625	RA100/250	JVP	100	250	16 x 31.5 x 7.5	1.49	1.34	1.08	.81

Part No.	Cross Ref. No.†	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
330684	RA100/450	JVP	100	450	22 x 42.5 x 10.5	\$3.39	\$3.00	\$2.10	\$1.87
135124	7R220/10	JVP	220	10	6 x 7 x 2.5	*	.16	.12	.07
198872	R220J/16	JVP	220	16	6.3 x 11 x 2.5	*	.17	.13	.09
30496	R220/25	+	220	25	8 x 11 x 3.5	*	.096	.072	.06
30498	R220/25	JVP	220	25	8.5 x 11 x 3.5	*	.18	.144	.108
93772	R220/35	JVP	220	35	8 x 12 x 3.5	*	.15	.12	.10
93778	R220/50	+	220	50	10 x 12 x 5	.26	.234	.158	.113
93780	R220/50	JVP	220	50	10 x 16 x 5	.26	.22	.16	.11
609115	UVR2C221MHD	JVP	220	160	16 x 30 x 7.5	.97	.87	.79	.71
198978	R330J/35	JVP	330	35	10 x 12.5 x 5	*	.221	.16	.11
330473	RA330/50	JVP	330	50	10 x 16 x 5	.29	.29	.25	.25
1946279	R470/10TR	+	470	10	6 x 11 x 5	*	.10	.08	.05
93809	R470/16	+	470	16	8 x 11 x 3.5	*	.12	.095	.071
93811	R470/16	JVP	470	16	8 x 11.5 x 3.5	.27	.17	.14	.12
31181	R470/25	+	470	25	10 x 12 x 5	.29	.19	.15	.11
31183	R470/25	JVP	470	25	10 x 12 x 3.5	.38	.26	.19	.14
93817	R470/35	+	470	35	10 x 16 x 5	.32	.22	.17	.14
93819	R470/35	JVP	470	35	10 x 16 x 5	.42	.32	.25	.19
93825	R470/50	+	470	50	12 x 20 x 5	.35	.25	.22	.19
93827	R470/50	JVP	470	50	10 x 20 x 5	.45	.35	.29	.22
158465	R470B63	JVP	470	63	13 x 20 x 5	.55	.495	.44	.413
199102	R470J/100	JVP	470	100	16 x 25 x 7.5	1.15	.79	.69	.59
330456	RA680/25S	JVP	680	25	8 x 16 x 3.5	1.15	1.04	.84	.63
1945436	R1000/6.3	+	1000	6.3	10 x 13 x 5	*	.12	.10	.08
30015	R1000/16	+	1000	16	10 x 16 x 5	.37	.24	.17	.13
30017	R1000/16	JVP	1000	16	10 x 16 x 5	.28	.244	.179	.129
93833	R1000/25	+	1000	25	10 x 20 x 5	.29	.25	.19	.15
93835	R1000/25	JVP	1000	25	10 x 20 x 5	.32	.29	.23	.18
93841	R1000/50	+	1000	50	6.5 x 11.3 x 2.2	.59	.49	.39	.29
93843	R1000/50	JVP	1000	50	13 x 25 x 5	.75	.59	.49	.39
199111	R1000J/100	JVP	1000	100	18 x 41 x 7.5	2.29	1.95	1.65	1.35
30533	R2200/25	+	2200	25	12 x 25 x 5.0	.65	.49	.39	.32
30535	R2200/25	JVP	2200	25	13 x 21 x 5	.89	.69	.55	.39
198986	R2200J/35	JVP	2200	35	16 x 25 x 7.5	1.39	1.25	.99	.74
608956	UVR1H222MHD	JVP	2200	50	16 x 30 x 7.5	1.59	1.20	.90	.64
608981	UVR1J222MHD	JVP	2200	63	18 x 35.5 x 7.5	1.65	1.45	1.25	.99
198898	R3300J/16	JVP	3300	16	13 x 21 x 5	.49	.39	.33	.29
30891	R3300/25	+	3300	25	16 x 25 x 7.5	.79	.65	.55	.45
30893	R3300/25	JVP	3300	25	13 x 29 x 5	.95	.79	.69	.59
198994	R3300J/35	JVP	3300	35	16 x 30 x 7.5	1.25	1.05	.85	.69
198901	R4700J/16	JVP	4700	16	16 x 25 x 7.5	1.09	.89	.69	.55
93850	R4700/25	+	4700	25	16 x 31 x 7.5	1.09	.85	.65	.55
93852	R4700/25	JVP	4700	25	16 x 31.5 x 7.5	1.25	.99	.79	.65
199006	R4700J/35	JVP	4700	35	18 x 35 x 7.5	1.35	1.22	1.08	1.01
163301	R4700/50	+	4700	50	22 x 42 x 10.0	2.09	1.69	1.35	1.15
163302	R4700/50	JVP	4700	50	22 x 41 x 10	2.25	1.95	1.65	1.35
198935	R6800J/25	JVP	6800	25	18 x 35.5 x 7.5	1.49	1.25	.99	.79
608948	UVR1C103MHD	JVP	10000	16	18 x 35 x 7.5	1.69	1.49	1.29	.99

Note: Above case sizes may have ± tolerances TR behind Cros Ref. numbers are Tape and Reel * Capacitor dimensions and styles may vary on items with various manufacturers ⚡ Blue P/N = Limited Quantity Available

* JVP = Jameco ValuePro | ♦ Manufacturer Varies

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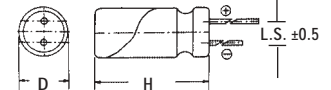
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JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%) 105°C



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UPW/UVZ/UHE; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

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105°C – HT Type General Purpose

★ Web Code: HAA

* Order in multiples of 10

* Order in multiples of 10

Part No.	Cross Ref. No. †	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
609545	UVZ1H0R1MDD	JVP	0.1	50	5 x 11 x 2	*	\$.12	\$.096	\$.072
330772	RB1/50	JVP	1	50	5 x 11 x 2	*	.061	.048	.036
158491	R1B100	JVP	1	100	5 x 11 x 2	*	.12	.09	.06
609959	UVZ2E010MED	JVP	1	250	8 x 11 x 3.5	.25	.19	.15	.12
609561	UVZ1H2R2MDD	JVP	2.2	50	5 x 11.5 x 2	*	.051	.046	.041
607961	UPW1H3R3MDD	JVP	3.3	50	5 x 11 x 2	*	.14	.10	.07
330692	RB10/16	JVP	10	16	5 x 11 x 2	*	.099	.089	.08
607849	UPW1H100MDD	JVP	10	50	5 x 11 x 2	*	.161	.116	.075
330799	RB10/50	JVP	10	50	5 x 11 x 2	*	.061	.049	.037
609641	UVZ1J100MDD	JVP	10	63	5 x 11 x 2	*	.061	.055	.05
610036	UVZ2W100MHD	JVP	10	450	13 x 21 x 5	.75	.55	.45	.35
158327	R22B35	JVP	22	35	5 x 11 x 2	*	.08	.07	.05
609828	UVZ2C220MPD	JVP	22	160	10 x 15 x 5	*	.21	.19	.18
609975	UVZ2E220MHD	JVP	22	250	13 x 20 x 5	.59	.49	.39	.29
607929	UPW1H270MHD	JVP	27	50	5 x 11 x 2	.25	.19	.14	.094
609502	UVZ1C470MDD	JVP	47	16	5 x 11 x 2	*	.15	.12	.09
1945428	R47/35	♦	47	35	6.3 x 11 x 2	*	.12	.09	.07
330820	RB47/50	JVP	47	50	6.3 x 11 x 2.5	.25	.19	.15	.12
608139	UPW1J470MPD	JVP	47	63	8 x 11.5 x 3.5	.31	.28	.24	.18
609879	UVZ2C470MHD	JVP	47	160	13 x 21 x 5	.55	.45	.35	.25
610010	UVZ2E470MHD	JVP	47	250	13 x 25 x 5	.75	.65	.55	.45
606862	UHE1H560MED	JVP	56	50	6.3 x 11 x 2.5	*	.159	.117	.08
1946228	RB100/10	♦	100	10	5 x 11 x 3.5	*	.11	.09	.07
330740	RB100/25	JVP	100	25	6.3 x 11 x 2.5	*	.15	.12	.09
158394	R100B50	JVP	100	50	8 x 11.5 x 3.5	.29	.22	.17	.14
608024	UPW1J101MPD6	JVP	100	63	12 x 12.5 x 5.5	*	.126	.119	.09
330828	RB100/63	JVP	100	63	10 x 13 x 5	.39	.29	.22	.17
609748	UVZ2A101MPD	JVP	100	100	10 x 20 x 5	.49	.39	.29	.22
609916	UVZ2D101MHD	JVP	100	200	16 x 25 x 7.5	1.25	.99	.79	.59
609967	UVZ2E101MHD	JVP	100	250	16 x 31 x 7.5	1.35	1.09	.85	.65
1946236	RB180/10	♦	180	10	6.5 x 11 x 2.5	*	.14	.10	.08
606555	UHE1A221MED	JVP	220	10	6.3 x 11 x 2.5	*	.069	.063	.056
158263	R220B25	JVP	220	25	8 x 11 x 3.5	*	.19	.15	.12
606820	UHE1H221MPD	JVP	220	50	10 x 16 x 5	.35	.25	.19	.15
158406	R220B50	JVP	220	50	10 x 17 x 5	.35	.25	.19	.15
609668	UVZ1J221MPD	JVP	220	63	10 x 16 x 5	.45	.35	.25	.19
609764	UVZ2A221MHD	JVP	220	100	13 x 26 x 5	.55	.45	.35	.25
609721	UVZ1V331MPD	JVP	330	35	10 x 16 x 5	.35	.25	.19	.15
609385	UVZ0J471MED	JVP	470	63	6 x 11 x 2.5	.29	.22	.17	.13

Note: Above case sizes may have ± tolerances

* Capacitor dimensions and styles may vary on items with various manufacturers

Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

★ Web Code: EBG

Snap-Ins!



† CROSS REFERENCES: Aero M: LP/LPR; Elna: LP3/LP4; Illinois Capacitor: LBA/LPR; Mallory: LPX; Marcon: CEAWF; Nichicon: LLK/LLQ; Panasonic: TS-UP/TS-U; Phillips (MEPCO): 3487/3489; Rubycon: RSP; Sprague: 80D/82D; United Chemicon: SMG(VN)/SMH(VN)

Note: Above case sizes may have ± tolerances TR behind Cros Ref. numbers are Tape and Reel

Part No.	Cross Ref. No. †	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing		
						1	10	100
203263	SNB470/400/5	JVP	470	450	35 x 49 x 9	\$7.95	\$7.19	\$6.49
115378	SNB4700/35	♦	4700	35	25 x 40 x 9	2.09	1.69	1.39
331901	SNB6800/50	JVP	6800	50	25.2 x 42.4 x 9	2.95	2.65	2.39
331759	SNA8200/80	JVP	8200	80	35 x 51 x 9	5.95	5.39	4.85
157738	SNA10000/50	JVP	10000	50	35 x 40 x 12	3.19	2.95	2.79
331716	SNA15000/25	JVP	15000	25	25 x 41 x 9	3.49	2.62	1.98

* Capacitor dimensions and styles may vary on items with various manufacturers

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* JVP = Jameco ValuePro ♦ Manufacturer Varies

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

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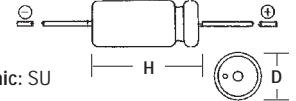
JAMECO ValuePro

Aluminum Axial-Lead Electrolytic Capacitors (±20%)

General purpose 85°C maximum

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2µA, whichever is greater

★ Web Code: GAA



† CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

* Order in multiples of 10

Part No.	Mfr.	Cross Ref. No. †	Value (µF)	Voltage	Size (mm)* D x H	Pricing			
						1	10	100	500
10868	JVP	A1/50 R	1	50V	5 x 12	* .19	.13	.10	
10866	♦	A1/50	1	50V	5 x 13	* .19	.145	.109	
11076	♦	A4.7/50	4.7	50V	6 x 13	* .162	.13	.095	
1946199	♦	A10/16	10	16V	4 x 7	* .09	.07	.05	
1946201	♦	A10/16A	10	16V	5 x 13	* .09	.07	.05	
10883	JVP	A10/50 ⊕	10	50V	6 x 12	.25	.206	.147	.093
10882	♦	A10/50	10	50V	6 x 12	* .162	.118	.094	
331425	JVP	AB10/450 R	10	450V	13 x 25	1.25	1.07	.97	.71
1946210	♦	A22/16	22	16V	5 x 11	* .15	.12	.10	
199268	JVP	A22J/25 R	22	25V	6 x 12.5	* .208	.148	.111	
331433	JVP	AB22/450 R	22	450V	16 x 26.5	2.09	1.72	1.56	1.18
135319	♦	A47/25	47	25V	8 x 16	* .125	.113	.101	
199188	JVP	A100J/16 R	100	16V	6 x 12.5	.29	.26	.25	.21
199284	JVP	A100J/25 R	100	25V	8 x 15	.30	.257	.217	.168
93551	♦	A100/35	100	35V	8 x 16	* .192	.173	.144	
10911	♦	A100/50	100	50V	8 x 20	* .216	.192	.18	
10913	JVP	A100/50 R	100	50V	8 x 16	.26	.245	.221	.199
331380	JVP	AB100/100 R	100	100V	10 x 20.5	2.45	2.19	1.99	1.78
331409	JVP	AB100/160 R ⊕	100	160V	16 x 26.5	2.59	2.37	1.89	1.45
331417	JVP	AB100/250 R	100	250V	16 x 31	3.05	2.62	2.42	2.25
199292	JVP	A220J/25 R ⊕	220	25V	8 x 16	.33	.29	.22	.19

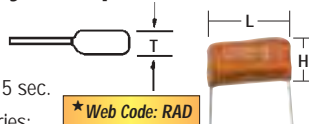
Note: Above case sizes may have ± tolerances TR behind Cross Ref. numbers are Tape and Reel

* Capacitor dimensions and styles may vary on items with various manufacturers

⊕ Blue Part No. = Limited Quantity Available

Metallized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.



★ Web Code: RAD

† Cross References: Panasonic: ECO-E Series;

Sprague: DF/450P/451P/453P; Westlake: 160/168/185/167/184/186; Rubycon: MC/MN; Mepco: 713A1/719A1/C280; TRW: X601PE/ X601CPE; Packtron: MF/RB; Secor: MMKS/MMKR/MMDR; RIFA: PHE353/ PHE354; Roederstein: MKT 1818/MKT 1822; WIMA: MKS; CSF Thompson: MD/ MC; Siemens: B325X-XX; NIC: NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

* Order in multiples of 10

Part No.	Cross Ref. No. †	Value (µF)	Volt. (V)	Size (mm)* L x T x H	Pricing			
					1	10	100	1000
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10.0	* .085	.06	.045	
26833	MY.001	.001	100	7.0 x 3.0 x 7.0	* .101	.068	.051	
26884	MY.01	.01	100	6.0 x 3.0 x 7.0	* .13	.096	.091	
26905	MY.022	.022	100	6.0 x 3.0 x 10.0	* .18	.12	.072	
26921	MY.033	.033	100	8.0 x 4.0 x 11.0	* .035	.032	.028	
26930	MY.047	.047	100	8.0 x 4.0 x 12.0	.30	.222	.167	.125
1946172	MY.068	.068	100	8.6 x 4.0 x 11.0	* .15	.11	.08	
135562	MY.1/50	.1	50	14.0 x 6.0 x 12.0	* .16	.14	.12	
26956	MY.1	.1	100	12.5 x 5.0 x 9.5	.33	.28	.222	.143
93921	MY.1/250	.1	250	12.5 x 5.5 x 10	.29	.20	.168	.146
26972	MY.22	.22	100	12.5 x 5.5 x 10	* .19	.17	.13	
1946181	MY.22	.22	100	12.5 x 5.0 x 8.5	* .19	.15	.12	
93964	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.26	.227	.182	.137
26999	MY.47	.47	100	18.0 x 6.0 x 11.5	.50	.469	.367	.234
27001	MY1	1.0	100	18.0 x 7.5 x 14.0	.69	.59	.40	.278
93981	MY1/250	1.0	250	26.0 x 9.0 x 16.0	.53	.38	.33	.25
93999	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	1.26	1.10	.93	.55

† ±20% tolerance * Capacitor dimensions and styles may vary on items with various manufacturers

* JVP = Jameco ValuePro ♦ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

⊕ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Part No.	Mfr.	Cross Ref. No. †	Value (µF)	Voltage	Size (mm)* D x H	Pricing			
						1	10	100	500
11019	JVP	A220/50 R	220	50V	10 x 17	.35	.29	.25	.21
199217	JVP	A470J/16 R	470	16V	8 x 17	.36	.284	.255	.173
199381	JVP	A470J/35 R	470	35V	10 x 21	.50	.45	.36	.27
11123	JVP	A470/50 R	470	50V	13 x 22	.65	.55	.48	.40
93633	JVP	A1000/16 R	1000	16V	10 x 21	.49	.422	.398	.358
10954	♦	A1000/25	1000	25V	13 x 31	.60	.538	.43	.323
10956	JVP	A1000/25 R	1000	25V	10 x 20	.66	.54	.49	.38
93649	♦	A1000/35	1000	35V	13 x 26	.48	.437	.431	.32
93651	JVP	A1000/35 R	1000	35V	13 x 22	.94	.83	.66	.49
147256	♦	A1000/50	1000	50V	16 x 31	.72	.62	.491	.37
11033	♦	A2200/16	2200	16V	16 x 40	.88	.78	.70	.60
199322	JVP	A2200J/25 R	2200	25V	16 x 26	1.39	1.23	1.15	.87
93658	JVP	A2200/35 R	2200	35V	16 x 30	1.55	1.30	.72	.54
199478	JVP	A2200J/50 ⊕	2200	50V	18 x 33	2.15	1.93	1.54	1.15
93666	JVP	A3300/25	3300	25V	16 x 30	.61	.55	.49	.37
199487	JVP	A3300J/50 R	3300	50V	22 x 43	2.75	2.48	2.00	1.79
199232	JVP	A4700J/16 ⊕	4700	16V	16 x 26.5	4.15	3.75	3.35	3.00
93673	♦	A4700/25	4700	25V	22 x 39	1.35	1.19	1.09	.82
93675	JVP	A4700/25 R	4700	25V	16 x 30	1.85	1.69	1.52	1.14
199402	JVP	A4700J/35 R	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158811	JVP	A4700A50 R	4700	50V	22 x 43	3.09	2.89	2.69	2.39
93681	♦	A10000/16	10000	16V	22 x 51	2.49	2.26	2.04	1.53
93683	JVP	A10000/16 R	10000	16V	16 x 40	2.65	2.45	2.16	1.62

Panasonic® Metallized Film Capacitors (±5%)

V Series – Stacked

- Stacked & non-inductive construction
- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.
- High volumetric efficiency

★ Web Code: TAB



Order in multiples of 10

Part No.	Mfr. Part No.	Value (µF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing		
					10	100	500
920510	ECO-V1H104JL R	.1	50	7.3 x 4 x 5 x 5	.106	.088	.084
920595	ECO-V1H474JL R	.47	50	7.3 x 6 x 7.3 x 5	.177	.148	.117

Memory Back-Up Capacitors

Applications:

- Back-up on CMOS microcomputers, static RAM, DTSS (digital tuning systems)
- Memory back-up of remote controllers

Features:

- Small size vs. capacitance
- Voltage: 5.5VDC
- Excellent volt. holding characteristics for low back-up currents



Part No.	Cross Ref. No.	Mfr.	Value (F)	Size (mm) L x T x Dia.	1	10	100
143010	MBC.47/5.5	JVP	.47	N/A x 9.3 x 20.8	\$3.29	\$2.86	\$2.15
142957	MBC1.0/5.5	♦	1.0	N/A x 7.4 x 20.8	4.49	3.80	2.85
227811	S5R5V105	♦	1.0	24.2 x 4.8 x 18.0	4.49	3.82	2.87

JAMECO ValuePro

Motor Running Capacitor

★ Web Code: KBW

- Operating temp.: -25°C to +85°C
- Quick connect
- Metal or plastic shell and double welding sheet metal
- Insulation resistance: >300MΩ



Part No.	Cross Ref. No.	Value (µF)	Voltage (V)	Dimension D x H (mm)	1	10	100
332857	MRC370V25	25	370	40 x 70	\$10.05	\$8.17	\$7.11

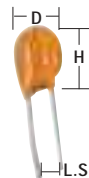
JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%)

- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Designed for entertainment and commercial equipment

- Rated voltage DC: ≤ +85°C
- Moisture-resistant

- Low leakage current
- Flame retardant coating



† Cross References: Panasonic: EF Series; AVX: Tap Series; Kemet: T350/ T360; Sprague: 196D and 199D; Matsuo: 202; Mepeco: 49GS; NEC: DN; Nichicon: 599; NIC: NDTM; Hitachi: TSD-3

★ Web Code: VAE

* Order in multiples of 10

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No. †	Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
33488	TM.1R	JVP	.10	35	4.5 x 7.0 x 2.5	\$.29	\$.20	\$.19	\$.17
33486	TM.1/35	♦	.10	35	4.5 x 7.0 x 5.2	*	.225	.171	.135
545561	TAP104K035SCS	JVP	.10	35	4.0 x 6.0 x 2.5	.29	.216	.181	.135
332111	TDR0.1/50	JVP	.10	50	4.5 x 7.0 x 2.5	.37	.339	.266	.235
545570	TAP104K050SCS	JVP	.10	50	4.0 x 6.0 x 2.5	.35	.32	.27	.20
33507	TM.22/35	♦	.22	35	4.5 x 7.0 x 5.0	.27	.21	.16	.12
33525	TM.33	JVP	.33	35	4.5 x 7.0 x 2.5	.35	.273	.221	.212
33523	TM.33/35	♦	.33	35	4.5 x 7.0 x 2.5	.31	.269	.255	.191
33533	TM.47	JVP	.47	35	4.5 x 7.0 x 2.5	*	.20	.15	.14
33531	TM.47/35	♦	.47	35	4.5 x 7.0 x 2.7	*	.216	.173	.13
61102	TM.68	JVP	.68	35	4.5 x 7.0 x 2.5	*	.23	.213	.16
545588	TAP105K025SCS	JVP	1	25	4.3 x 7.0 x 2.5	.32	.288	.255	.235
154862	TM1/25	JVP	1	25	4.5 x 7.0 x 2.5	.32	.27	.23	.19
154860	TM1/25	♦	1	25	4.5 x 7.0 x 4.7	.30	.246	.194	.146
545596	TAP105K035SCS	JVP	1	35	4.3 x 7.0 x 2.5	.25	.202	.184	.181
33664	TM1	JVP	1	35	4.5 x 7.0 x 2.5	.34	.286	.23	.191
33662	TM1/35	♦	1	35	4.5 x 7.0 x 2.7	.29	.261	.225	.198
545609	TAP105K050SCS	JVP	1	50	4.7 x 7.5 x 2.5	.37	.34	.31	.26
94003	TM2.2/16	JVP	2.2	16	4.5 x 7.0 x 2.5	.27	.23	.221	.212
94001	TM2.2/16	♦	2.2	16	4.5 x 7.0 x 4.7	*	.21	.177	.133
33736	TM2.2/35	JVP	2.2	35	5.0 x 8.0 x 2.5	.31	.275	.248	.223
545810	TAP225K035SCS	JVP	2.2	35	4.3 x 7.0 x 2.5	.33	.29	.18	.144
545941	TAP335K025SCS	JVP	3.3	25	4.3 x 7.0 x 2.5	.34	.303	.242	.182
94035	TM4.7/16	♦	4.7	16	5.0 x 8.0 x 2.5	.36	.324	.259	.194
546071	TAP475K025SCS	JVP	4.7	25	4.3 x 7.0 x 2.5	.43	.39	.35	.28
94043	TM4.7/25	♦	4.7	25	5.0 x 8.0 x 4.7	.36	.322	.271	.203
546089	TAP475K035SCS	JVP	4.7	35	4.7 x 7.5 x 2.5	.56	.471	.425	.323
33806	TM4.7/35	♦	4.7	35	5.5 x 9.5 x 2.5	.41	.378	.333	.25
546185	TAP685K025SCS	JVP	6.8	25	4.7 x 7.5 x 2.5	.26	.237	.213	.192
545617	TAP106K006SCS	JVP	10	6.3	4.3 x 7.0 x 2.5	.36	.311	.28	.21
545625	TAP106K010SCS	JVP	10	10	4.7 x 7.5 x 2.5	.47	.423	.376	.34
94062	TM10/16	JVP	10	16	5.0 x 8.0 x 2.5	.45	.39	.29	.25
94060	TM10/16	♦	10	16	5.0 x 8.0 x 4.7	.41	.351	.261	.196

Part No.	Cross Ref. No. †	Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
545633	TAP106K020SCS	JVP	10	20	5.4 x 8.0 x 2.5	\$.50	\$.45	\$.41	\$.37
545641	TAP106K025SCS	JVP	10	25	5.4 x 8.0 x 2.5	.59	.53	.43	.31
94080	TM10/25	JVP	10	25	5.5 x 9.5 x 2.5	.31	.279	.223	.201
94078	TM10/25	♦	10	25	5.5 x 9.5 x 2.8	.53	.45	.36	.324
545650	TAP106K035SCS	JVP	10	35	5.4 x 8.0 x 2.5	1.09	.98	.87	.72
33691	TM10	JVP	10	35	5.5 x 11.0 x 2.5	1.24	1.18	.74	.62
33689	TM10/35	♦	10	35	6.5 x 11.0 x 4.7	.80	.71	.62	.465
332161	TDR10/50	JVP	10	50	8.5 x 13.0 x 2.5	4.89	4.42	3.55	2.66
545730	TAP156K016SCS	JVP	15	16	5.4 x 8.0 x 2.5	.33	.296	.266	.24
545836	TAP226K006SCS	JVP	22	6.3	4.7 x 7.5 x 2.5	1.55	1.40	1.25	1.13
545852	TAP226K016SCS	JVP	22	16	5.4 x 8.0 x 2.5	.48	.39	.36	.34
94095	TM22/16	JVP	22	16	5.5 x 9.5 x 2.5	.62	.56	.50	.45
94094	TM22/16	♦	22	16	5.5 x 9.5 x 4.1	.62	.56	.46	.34
545879	TAP226K025SCS	JVP	22	25	6.0 x 9.4 x 2.5	1.75	1.27	1.15	1.08
94107	TM22/25	♦	22	25	8.5 x 13.0 x 3.2	1.65	1.17	1.06	.89
545887	TAP226K035SCS	JVP	22	35	7.0 x 11.0 x 2.5	2.29	1.86	1.70	1.48
545991	TAP336K016SCS	JVP	33	16	6.0 x 9.4 x 2.5	4.25	3.85	3.45	3.10
33785	TM33/25	♦	33	25	8.5 x 13.0 x 4.7	2.09	1.89	1.45	1.09
546100	TAP476K010SCS	JVP	47	10	6.0 x 9.4 x 2.5	1.48	1.41	1.00	.90
546118	TAP476K016SCS	JVP	47	16	6.0 x 9.4 x 2.5	2.05	1.64	1.50	1.15
94124	TM47/16	JVP	47	16	6.5 x 11.0 x 2.5	1.69	1.55	1.35	.95
94123	TM47/16	♦	47	16	6.5 x 11.0 x 4.7	1.55	1.34	1.14	.93
33824	TM47	JVP	47	25	9.5 x 16.5 x 2.5	3.69	3.32	2.66	2.00
546126	TAP476K035SCS	JVP	47	35	8.2 x 12.5 x 5.0	4.95	4.45	3.95	3.45
546222	TAP686K016SCS	JVP	68	16	7.0 x 11.0 x 2.5	5.59	5.00	4.50	4.08
332100	TDR68/25	JVP	68	25	9.5 x 16.5 x 2.5	5.95	4.45	3.99	3.59
545668	TAP107K006SCS	JVP	100	6.3	6.0 x 9.4 x 2.5	1.65	1.56	1.24	1.18
33702	TM100	JVP	100	6.3	8.5 x 13.0 x 2.5	1.25	1.19	1.09	.95
33700	TM100/35	♦	100	6.3	8.5 x 13.0 x 4.7	1.31	1.18	.95	.71
597450	TAP107K016SCS	JVP	100	16	7.0 x 11.0 x 2.5	2.89	2.60	2.35	2.10
545684	TAP107K020SCS	JVP	100	20	8.2 x 12.5 x 2.5	5.95	4.85	4.44	3.33
545895	TAP227K010SCS	JVP	220	10	8.2 x 12.5 x 2.5	5.05	4.30	3.85	2.88

Note: Above case sizes may have ± tolerances

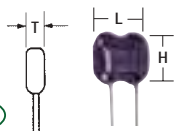
* Capacitor dimensions and styles may vary

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film

- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C

★ Web Code: HAB



Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
16037	DM220	22pF	500	11 x 4 x 9	\$.44	\$.40	\$.36	\$.32
16002	DM101	100pF	500	11 x 4 x 9	.45	.405	.35	.27
16088	DM331	330pF	500	11 x 4 x 9	.75	.67	.59	.39
16109	DM471	470pF	500	11 x 4 x 9	.67	.60	.55	.50

* Capacitor dimensions and styles may vary

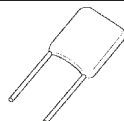
Prosperity Radial Ceramic Capacitors

★ Web Code: CMC

RD15 and RD16 Series

- Thru-hole
- General Purpose
- Conformally coated
- Epoxy case

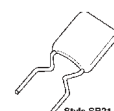
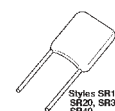
Complete selection available online at www.Jameco.com.



AVX® Radial Ceramic Capacitors

- Conformally coated radial leaded MLC
- Case material: epoxy
- Lead material: 24AWG solid copper plated

★ Web Code: XDE



X7R Leaded Case

* Order in multiples of 10

Part No.	Mfr. Part. No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100
849362	SR155C103KAA	X7R	.01µF	50	10%	A	*	\$.07	\$.063
849522	SR205C104KAA	X7R	.1µF	50	10%	B	*	.131	.115
849899	SR215C224KAA	X7R	.22µF	50	10%	B	*	.153	.138
768175	SR305C474KAA	X7R	.47µF	50	10%	C	.39	.355	.32

Blue Part No. = Limited Quantity Available

AVX Style	SR15 (A) Case	SR20/SR21 (B) Case	SR30 (C) Case
Width (W)	3.81mm (0.15")	5.08mm (0.20")	7.62mm (0.30")
Height (H)	3.81mm (0.15")	5.08mm (0.20")	7.62mm (0.30")
Thickness (T)	2.54mm (0.10")	3.175mm (0.125")	3.81mm (0.15")
Lead spacing (L.S.)	2.54mm (0.10")	5.08mm (0.20")	5.08mm (0.20")
Lead dia (L.D.)	0.508mm (0.02")	0.508mm (0.02")	0.508mm (0.02")

* JVP = Jameco ValuePro ♦ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Ceramic Capacitors



JAMECO ValuePro Ceramic Disc Capacitors (±5, ±10 or ±20%)

25, 50, 500 and 1000 Volt, Z5U Temperature Coefficient

- Operating temp. range: +10°C to +85°C
- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Cap. change over temp. range: +22 to -56%



*Web Code: HBW

* Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Value	Volt (V)	Tol.	Size Dia.	Pricing				
							1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5mm	\$.29	\$.26	\$.22	\$.177	\$.132
15333	DC10	♦	10pF	50	20	5mm	*	.063	.046	.021	.017
15335	DC10	JVP	10pF	50	20	5mm	*	.043	.038	.035	.031
332321	CD20/1000	JVP	20pF	1000	20	5mm	*	.063	.057	.051	.046
15405	DC22	♦	22pF	50	20	6mm	*	.076	.054	.027	.021
15407	DC22	JVP	22pF	50	20	6mm	*	.034	.031	.028	.025
332217	CD33/50	JVP	33pF	50	20	5mm	*	.082	.074	.058	.044
1947010	DC33TR	♦	33pF	100	10	5mm	*	.06	.03	.02	.01
1947028	DC33ATR	♦	33pF	500	5	5mm	*	.09	.06	.04	.03
15512	DC47	JVP	47pF	50	20	5mm	*	.055	.049	.04	.03
1947036	DC47TR	♦	47pF	500	5	6mm	*	.09	.06	.04	.03
15341	DC100	♦	100pF	50	20	5mm	*	.05	.035	.025	.019
15343	DC100	JVP	100pF	50	20	5mm	*	.056	.05	.04	.03
1947044	DC100TR	♦	100pF	100	10	8mm	*	.06	.03	.02	.01
332363	CD120/1000	JVP	120pF	1000	20	5mm	*	.033	.03	.027	.024
1947052	DC150TR	♦	150pF	100	10	8mm	*	.06	.03	.02	.01
1947087	DC150ATR	♦	150pF	100	5	4mm	*	.075	.05	.035	.02
332371	CD150/1000	JVP	150pF	1000	20	5mm	*	.06	.054	.048	.044
15413	DC220	♦	220pF	50	20	5mm	*	.01	.009	.008	.007
1947132	DC220TR	♦	220pF	50	5	8mm	*	.06	.02	.015	.01
1947159	DC220ATR	♦	220pF	100	5	7mm	*	.06	.02	.015	.01
1947239	DC220BTR	♦	220pF	500	10	10mm	*	.11	.06	.04	.03
1947301	DC330TR	♦	330pF	100	20	5mm	*	.06	.04	.02	.015
1947378	DC330ATR	♦	330pF	500	20	5mm	*	.09	.06	.04	.03
15528	DC470	♦	470pF	50	20	5mm	*	.08	.065	.025	.022
1947319	DC470TR	♦	470pF	100	20	5mm	*	.06	.04	.02	.015
332420	CD560/1000	JVP	560pF	1000	20	6mm	*	.056	.052	.04	.03
332436	CD1000/1000	JVP	1000pF	1000	20	5mm	*	.048	.043	.039	.035
15211	DC.0047	♦	.0047μF	50	20	6mm	*	.045	.032	.027	.02
1947335	DC.0047TR	♦	.0047μF	100	20	5mm	*	.06	.04	.02	.015
1947407	DC.0033	♦	.0033μF	500	20	9mm	*	.09	.06	.04	.03
1947327	DC.0022TR	♦	.0022μF	25	20	4mm	*	.06	.04	.02	.015
1947386	DC.0022ATR	♦	.0022μF	500	20	7mm	*	.09	.06	.04	.03
15190	DC.001	♦	.001μF	50	20	6mm	*	.06	.054	.043	.032
15192	DC.001	JVP	.001μF	50	20	6mm	*	.027	.024	.022	.02
1947343	DC.001TR	♦	.001μF	100	20	4mm	*	.06	.04	.02	.015
1947394	DC.001ATR	♦	.001μF	500	20	4mm	*	.09	.06	.04	.03
1947415	DC.001BTR	♦	.001μF	500	10	7mm	*	.09	.06	.04	.03
15229	DC.01	♦	.01μF	50	20	6mm	*	.06	.04	.03	.02
15231	DC.01	JVP	.01μF	50	20	6mm	*	.067	.045	.033	.029
97375	DC.01/1K20	♦	.01μF	1000	20	12mm	*	.146	.139	.111	.083
97377	DC.01/1K20	JVP	.01μF	1000	20	12mm	.25	.20	.133	.093	.073
332487	CD20000/1000	JVP	.02μF	1000	20	16mm	.60	.54	.459	.367	.275
15245	DC.022	♦	.022μF	50	20	8mm	*	.063	.045	.036	.027
15247	DC.022	JVP	.022μF	50	20	8mm	*	.049	.044	.04	.036
1947351	DC.047B	♦	.047μF	25	20	7mm	*	.06	.04	.02	.015
15253	DC.047	♦	.047μF	50	20	8mm	*	.084	.076	.06	.045
15255	DC.047	JVP	.047μF	50	20	8mm	*	.093	.083	.066	.049
332507	CD50000/1000	JVP	.05μF	1000	20	16mm	1.35	1.28	.81	.65	.488
151116	DC.1/25	♦	.1μF	25	20	6mm	*	.15	.135	.115	.086
151118	DC.1/25	JVP	.1μF	25	20	6mm	*	.17	.15	.14	.09
15270	DC.1	♦	.1μF	50	20	8mm	*	.153	.133	.117	.097
15272	DC.1	JVP	.1μF	50	20	8mm	.25	.20	.174	.154	.126
332516	CD100000/1000	JVP	.1μF	1000	20	21mm	2.39	2.15	1.82	1.46	1.10

TR behind Cross Ref. Number are Tape and Reel

JAMECO ValuePro Monolithic Radial Ceramic Capacitors

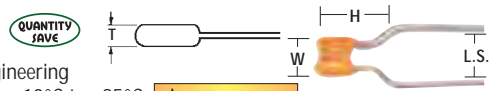
XR7 Series (±10%)

- Data processing
- Communications engineering

Operating temp. range: -10°C to +85°C

*Web Code: JBW

* Order in multiples of 10



Part No.	Cross Ref. No.	*Mfr.	Value	Volt. (V)	Size (mm)* WxTxHxL.S.	Pricing				
						1	10	100	1000	5000
332583	MOC100/100	JVP	100pF	100	5.0x5.0x3.0x2.5	*	\$.127	\$.094	\$.067	\$.063
332612	MOC470/100	JVP	470pF	100	5.0x5.0x3.0x2.5	*	.145	.13	.104	.078
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x5.1	*	.059	.053	.048	.043
597281	SR211C103KAA	JVP	.01μF	100	3.8x2.5x3.8x5.1	*	.118	.098	.046	.044
544833	SR151C103KAA	JVP	.01μF	100	3.8x2.5x3.8x5.1	*	.072	.056	.048	.043
332647	MOC10000/100	JVP	.01μF	100	5.0x5.0x3.0x2.5	*	.087	.071	.049	.047
544892	SR211C223KAA	JVP	.022μF	100	3.8x2.5x3.8x5.1	*	.186	.173	.136	.129
332655	MOC22000/100	JVP	.022μF	100	5.0x5.0x3.0x2.5	.34	.303	.273	.246	.221
544905	SR211C333KAA	JVP	.033μF	100	3.8x2.5x3.8x5.1	*	.094	.084	.076	.068
544913	SR211C473KAA	JVP	.047μF	100	3.8x2.5x3.8x5.1	.41	.365	.329	.296	.266
544921	SR215C104KAA	JVP	.1μF	50	3.8x2.5x3.8x5.1	*	.138	.11	.071	.067
544884	SR211C104KAA	JVP	.1μF	100	3.8x2.5x3.8x5.1	*	.146	.106	.078	.07
332672	MOC100000/100	JVP	.1μF	100	5.0x5.0x3.0x2.5	*	.158	.115	.08	.076
544948	SR305C474KAA	JVP	.47μF	50	3.8x2.5x3.8x5.1	.46	.36	.31	.24	.18

Note: Above case sizes may have ± tolerances

*Capacitor dimensions and styles may vary

Z5U Series (±20%) Monolithic Ceramic Capacitors

* Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Value	Volt. (V)	Size (mm)* W x T x H	Pricing				
						1	10	100	1000	5000
81543	MD10	JVP	10pF	50	3.5x2.0x3.0	*	\$.075	\$.072	\$.063	\$.058
81533	MD22	♦	22pF	50	4.0x2.0x4.0	*	.075	.054	.037	.033
81535	MD22	JVP	22pF	50	4.0x2.0x4.0	*	.075	.072	.063	.058
332559	MOC33/100	JVP	33pF	100	4.2x3.0x4.2	*	.126	.091	.063	.056
57621	MD.047	♦	.047μF	50	2.5x2.5x3.0	*	.117	.086	.06	.052
81517	MD.001	♦	.001μF	50	4.5x2.0x3.0	*	.064	.046	.032	.029
25507	MD.01	♦	.01μF	50	3.5x2.0x3.0	*	.083	.055	.047	.044
25509	MD.01	JVP	.01μF	50	3.5x2.0x3.0	*	.110	.083	.068	.061
544868	SR205E104MAA	JVP	.1μF	50	4.0x2.6x3.8	*	.073	.058	.041	.038
25523	MD.1	♦	.1μF	50	6.0x2.0x4.0	*	.07	.055	.04	.035
25525	MD.1	JVP	.1μF	50	3.4x2.2x3.6	*	.053	.051	.049	.047
25540	MD.22	♦	.22μF	50	6.0x2.0x4.5	*	.174	.122	.081	.075
25541	MD.22	JVP	.22μF	50	6.0x2.0x4.5	*	.189	.133	.089	.066
138237	MD.33	♦	.33μF	50	6.0x2.0x8.0	*	.129	.109	.069	.065
544930	SR215E334MAA	JVP	.33μF	50	3.8x2.5x3.8	*	.117	.105	.094	.085
25558	MD.47	♦	.47μF	50	4.5x2.5x4.5	*	.127	.093	.085	.065
25560	MD.47	JVP	.47μF	50	4.5x2.5x4.5	*	.222	.165	.129	.116
544956	SR305E105MAA	JVP	1μF	50	3.8x2.5x3.8	.25	.225	.21	.19	.15
81509	MD1	♦	1μF	50	6.0x3.0x7.0	.30	.23	.161	.149	.124
81510	MD1	JVP	1μF	50	6.0x3.0x7.0	.42	.384	.326	.26	.196

Note: Above case sizes may have ± tolerances

*Capacitor dimensions and styles may vary

SMD Capacitors



Aluminum Electrolytic Capacitors

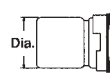
Operating Temp. Range: -55°C to +105°C



Tape



Individual



Side View



Bottom View

Leakage current (20°C) after 2 minutes .01CV or 3μA

*Web Code: BCE

Part No.	Cross Ref. No.†	Value (μF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
115351	RV2-166V100MR*	10	16	4.0	\$.29	\$.25	\$.22	\$.19
608796	UUD1V68M08L1GS	68	35	6.3	.34	.31	.24	.18
608711	UUD1V68M08L1GS	68	50	8.0	.53	.477	.382	.287

† Cross Reference: Panasonic: VS Series

*Operating temperature: -40°C to +85°C

* JVP = Jameco ValuePro ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

JAMECO ValuePro

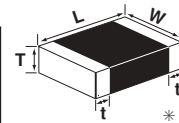
Multilayer Ceramic Chip Capacitors

* Order in multiples of 10

Part No.	Mfr.	Temp.	Value	Volt.	Tolerance	Case	1	10	100	500
544500	JVP	NPO	100pF	100	5	1206	* \$0.05	\$0.045	\$0.041	
650193	◆	NPO	680pF	50	5	0805	* .06	.05	.03	
650492	◆	X5R	.47µF	25	10	0805	* .045	.044	.043	
651461	◆	X5R	4.7µF	25	10	1206	* .125	.113	.101	
650581	◆	X5R	10µF	6.3	10	0805	* .116	.115	.113	
651760	◆	X5R	47µF	6.3	10	1210	1.95	1.75	1.45	1.25
544331	JVP	X7R	.01µF	50	10	0805	* .055	.037	.022	
87372	JVP	X7R	.1µF	25	10	0805	* .019	.017	.015	
544340	JVP	X7R	.1µF	50	10	0805	* .012	.011	.01	
87329	◆	X7R	.01µF	50	10	1206	* .036	.032	.029	

SMT Case Dimensions (mm)

	0805	1206	1210
L	2.0	3.2	3.2
W	1.25	1.6	2.5
T	0.065	1.55	1.02
t	0.25	0.5	0.5



QUANTITY SAVE

* Web Code: MCD

* Order in multiples of 10

Part No.	Mfr.	Temp.	Value	Volt.	Tolerance	Case	1	10	100	500
87390	JVP	X7R	.1µF	50	10	1206	* \$0.064	\$0.061	\$0.058	
87388	◆	X7R	.1µF	50	10	1206	* .083	.074	.066	
651410	◆	X7R	.47µF	50	10	1206	.59	.53	.474	.42
544665	JVP	X7R	.1µF	25	10	1206	.85	.76	.69	.62
651428	◆	X7R	1µF	25	10	1206	* .182	.164	.132	
651541	◆	Y5V	.10µF	50	+80/-20	1206	.26	.231	.208	.166
87222	JVP	Z5U	47µF	50		1206	* .036	.032	.029	

JAMECO ValuePro

Ceramic Trimmer Capacitors

JAMECO EXCLUSIVE

5mm

- Working voltage: 200VDC • Withstand voltage: 400VDC
- Turning torque: 35-200 g-cm • Q Factor @ 1MHz: >200
- Operating temperature range: -30°C ~ +85°C
- Insulation resis.: >10MΩ minimum @ 250VDC

* Web Code: PBZ

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
136979	9.0-50.0	Green	\$0.69	\$0.59	\$0.39	\$0.25

8mm (.315")

NEW MARKED BY PINK

* Web Code: PAT

- Turning torque: 40-200 g-cm • Withstand volt.: 550VDC
- Operating temp. range: -55°C ~ +85°C • Working volt.: 250VDC
- Insulation resis.: 10MΩ min. @ 250VDC • Q Factor @ 1MHz: >300

Part No.	Capacitance Range (pF)	Color Code	1	10	100	1000
134818	3.5-13.0	Ivory	\$0.69	\$0.49	\$0.29	\$0.19
32839	4.0-34.0	Yellow	1.15	.98	.90	.68
2077554	5.0-25.0	Blue	.89	.75	.59	.49

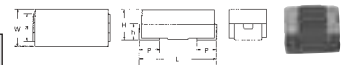
JAMECO ValuePro

Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)

JAMECO EXCLUSIVE

Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
(7343-31)	7.3	4.3	2.9	1.3	2.4	1.0



* Web Code: WAE

Order in multiples of 10

Part No.	Capacitance	Volts	10	100	500	1000
597388	15µF	35	\$1.49	\$1.26	\$1.01	\$0.76

Prosperity — MA0603; MA0805 & MA1206 — SMT Capacitors

- Multilayer Ceramic Chip
- Surface mount

* Web Code: SMC

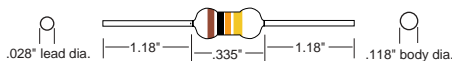
Yageo MF-25 Series — 1/4 Watt 1% Metal Film Resistors

- Wire leads
- Normal style
- Color bands

* Web Code: MFR

1/2-Watt Carbon Film Resistors (±5%)

QUANTITY SAVE



* Web Code: SCH

Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.
 Values may not be combined for quantity price breaks.

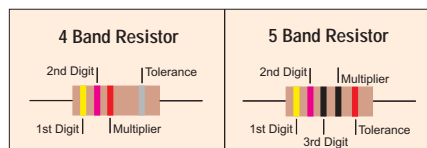
Pricing Per Resistor (Please order in increments of 100)

Specify Part No. & Resistor Value	100	500	1000	2000
(see Standard Resistor Values Chart below)	\$0.034	\$0.023	\$0.017	\$0.013

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	1.0	659833	12	661221	68	661378	300	661546	1.5k	661693	5.6k	661896	39k	662194	680k
659593	1.2	659850	15	661239	75	661386	330	661554	1.6k	661714	6.8k	661917	47k	662215	820k
659614	1.5	659884	20	661247	82	661407	390	661562	1.8k	661731	8.2k	661933	56k	662231	1.0M
659631	1.8	659892	22	661255	91	661423	470	661571	2.0k	661757	10k	661950	68k	662258	1.2M
659657	2.2	661124	27	661263	100	661431	510	661589	2.2k	661773	12k	661976	82k	662311	2.2M
659673	2.7	661132	30	661280	120	661440	560	661600	2.7k	661790	15k	661992	100k	662354	3.3M
659737	4.7	661141	33	661301	150	661458	620	661618	3.0k	661811	18k	662039	150k	662397	4.7M
659745	5.1	661167	39	661327	180	661466	680	661634	3.3k	661829	20k	662071	220k	662477	10M
659770	6.8	661183	47	661335	200	661474	750	661642	3.6k	661837	22k	662098	270k		
659796	8.2	661191	51	661343	220	661482	820	661651	3.9k	661845	24k	662119	330k		
659809	9.1	661204	56	661351	240	661503	1.0k	661677	4.7k	661853	27k	662135	390k		
659817	10	661212	62	661360	270	661520	1.2k	661685	5.1k	661870	33k	662151	470k		

(✓), (X), (#) symbols indicate Resistor values included in Assortments above.

Resistor Color Code Chart



Band Color	Digit	Multiplier	Tolerance	Band Color	Digit	Multiplier	Tolerance
Black	0	1	20%	Blue	6	1,000,000	±0.2%
Brown	1	10	±1%	Violet	7	10,000,000	±0.1%
Red	2	100	±2%	Gray	8	100,000,000	±0.05%
Orange	3	1,000	±3%	White	9	10 ⁹	±10%
Yellow	4	10,000	±4%	Gold	N/A	0.1	±5%
Green	5	100,000	±5%	Silver	N/A	0.01	±10%
				None	N/A	N/A	±20%

* JVP = Jameco ValuePro ◆ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

3 LEVELS OF SAVINGS
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Carbon Film & Wirewound Resistors



1/4-Watt Carbon Film Resistors RoHS (±5%)

★ Web Code: RCN



Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart below.
Values may not be combined for quantity price breaks.

Pricing per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	5000
(see Standard Resistor Values Chart below)	\$.01	\$.009	\$.008	\$.007

Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

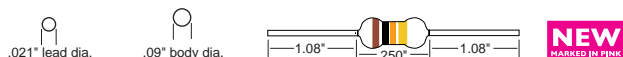
Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing		
				1	10	25
10720	ASST8-R	N/A	5 ea. 70 values (350 pcs.) (every other value from 10Ω - 5.6 MΩ)	\$9.99	\$8.99	\$7.99
103166	ASST30-R		10 ea. 24 values marked and 50 ea. 6 values marked (540 pcs.)	12.95	11.49	9.99
10664	ASST27-R		100 ea. 27 values marked (2,700 pcs.)	24.99	22.49	20.49
81832	N/A	N/A	1/4-watt resistor cabinet kit 30 values, see pg 43 (540 pcs.)	31.59	28.49	25.49

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	2.2	690427	15	690620	▲*	100	690822	▲●	680	691024	▲*	750	691227	▲●	1.5M
690224	2.4	690435	16	690638	▲	110	690831	▲	750	691032	▲*	750	691235	▲●	1.6M
690232	2.7	690443	18	690646	▲	120	690849	▲	820	691041	▲●	820	691243	▲●	1.8M
690241	3.0	690451	20	690654	▲	130	690857	▲	910	691059	▲	910	691251	▲●	2.0M
690259	3.3	690460	22	690662	▲●	150	690865	▲*	1.0k	691067	▲	1.0k	691260	▲●	2.2M
690267	3.6	690478	24	690671	▲	160	690873	▲	1.1k	691075	▲	1.1k	691278	▲●	2.4M
690275	3.9	690486	27	690689	▲	180	690881	●	1.2k	691083	▲	1.2k	691286	▲●	2.7M
690283	4.3	690494	30	690697	▲	200	690890	▲	1.3k	691091	▲	1.3k	691294	▲●	3.0M
690291	4.7	690507	33	690700	▲*	220	690902	▲●	1.5k	691104	▲*	1.5k	691307	▲●	3.3M
690304	5.1	690515	36	690718	▲	240	690911	▲	1.6k	691112	▲	1.6k	691315	▲●	3.6M
690312	5.6	690523	39	690726	▲●	270	690929	▲	1.8k	691121	▲	1.8k	691323	▲●	3.9M
690321	6.2	690531	43	690734	▲	300	690937	▲●	2.0k	691139	▲	2.0k	691331	▲●	4.7M
690339	6.8	690540	47	690742	▲●	330	690945	▲	2.2k	691147	▲●	2.2k	691340	▲*	5.1M
690347	7.5	690558	51	690751	▲	360	690953	▲	2.4k	691155	▲	2.4k	691358	▲●	5.6M
690363	8.2	690566	56	690769	●	390	690961	▲●	2.7k	691163	▲	2.7k	691366	▲●	6.2M
690371	9.1	690574	62	690777	▲	430	690970	▲	3.0k	691171	●	3.0k	691374	▲●	6.8M
690380	10	690582	68	690785	▲●	470	690988	▲●	3.3k	691180	▲●	3.3k	691382	▲●	7.5M
690398	11	690591	75	690793	▲	510	690996	▲	3.6k	691198	▲	3.6k	691391	▲●	8.2M
690401	12	690603	82	690806	▲	560	691008	▲	3.9k	691201	▲	3.9k	691403	▲●	9.1M
690419	13	690611	91	690814	▲	620	691016	▲	4.3k	691219	▲	4.3k	691411	▲●	10M

1/4-Watt Carbon Film Resistors (±5%) Non-RoHS

★ Web Code: RCN



Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart, right.
Values may not be combined for quantity price breaks.

Pricing per Resistor (Sold in bags of 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	10 Bags	50 Bags	100 Bags
(see Standard Resistor Values Chart right)	\$.79	\$.65	\$.49	\$.39

Simplify your product search by entering web codes above online at www.Jameco.com/More for additional product listings and specifications.

Standard Resistor Values Chart

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
30293	2.2	60134	68	29735	1.2k	30074	12k
30373	2.7	60222	75	29760	1.5k	30841	33k
30656	3.3	29946	100	29786	1.6k	30955	39k
29882	10	30162	150	30277	2.0k	30525	220k
30103	13	59281	180	30314	2.2k	30613	270k
30411	20	59424	200	30672	3.3k	31202	470k
30584	27	30568	240	31026	4.7k	31325	510k
30824	33	30867	330	31270	5.6k		
31069	43	31317	510	31536	7.5k		
31296	51	31624	820	60353	9.1k		

1/8-Watt Carbon Film Resistor (±5%) Assortment

★ Web Code: CAP

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing	
				1	10
108303	ASST1830		10 ea. of 24 values marked by and 50 ea. of 6 values marked below by # (540 pcs.)	\$12.95	\$11.49
108291	ASST1827		100 ea. of 27 values marked by (2,700 pcs)	29.95	26.95

1/8-Watt Resistor Assortment Values (Ohms)

10	15	150	330	680	2.0k	3.3k	5.6k	15k	33k	470k
47	220	390	1.0k	2.2k	4.7k	6.8k	10k	22k	47k	1.0M
100	270	470	1.5k	2.7k	5.1k	10k	27k	100k	10M	

5-Watt Wirewound Resistors (5%)

★ Web Code: TCH

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use part no. adjacent to Ω in chart below. Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	\$.39	\$.294	\$.236	\$.212	\$.189

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956	0.10	660025	0.39	660172	1.5	660287	4.7	660447	20	660551	50	660746	330	660957	2.2k
659964	0.15	660041	0.47	660199	1.8	660295	5.0	660455	22	660623	100	660762	390	660990	3.3k
659972	0.20	660050	0.50	660201	2.0	660359	8.2	660480	27	660631	120	660789	470	661010	4.7k
659981	0.22	660092	0.68	660244	3.0	660375	10	660498	30	660674	180	660797	500	661028	5.0k
660017	0.33	660130	1.0	660279	4.0	660412	15	660501	33	660682	200	660877	1.0k	661036	10k

- Temp range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

SIP Conformal Coated Resistor Networks ($\pm 2\%$ & $\pm 5\%$)

8 & 10-Pin (125mW)

- Common circuit
- Operating temperature: -55°C to 125°C
- Rated power per resistor at 70°C : 125mW/resistor
- Resistance temperature coefficient: 200ppm/ $^{\circ}\text{C}$
- Insulation resistance: 10,000M Ω min. at 100V
- Low profile is compatible with DIPs

NEW
MARKED IN PINK



97826 97877
* Order in multiples of 10

Pricing per each					
	1	10	100	500	1000
8-pin 2%	*	\$1.19	\$1.15	\$1.12	\$1.10
8-pin 5%	*	.17	.13	.10	.08
10-pin 2%	.29	.25	.19	.15	.12
10-pin 5%	*	.19	.15	.12	.10

8-Pin Isolated

YAGEO

Part No.	*Mfr.	Product No.	Ohms	Tol.
2078021	YAG	LP8B220G	22	$\pm 2\%$
2077984	YAG	LP8B270G	27	$\pm 2\%$
2078119	YAG	LP8B330J	33	$\pm 5\%$
2078101	YAG	LP8B390J	39	$\pm 5\%$
2078039	YAG	LP8B470G	47	$\pm 2\%$
2078127	YAG	LP8B470J	47	$\pm 5\%$
2078047	YAG	LP8B680G	68	$\pm 2\%$
2078055	YAG	LP8B750G	75	$\pm 2\%$
2078135	YAG	LP8B271G	270	$\pm 2\%$
2077992	YAG	LP8B511J	510	$\pm 5\%$
2078098	YAG	LP8B561J	560	$\pm 5\%$
2078071	YAG	LP8B152G	1.5k	$\pm 2\%$
2078004	YAG	LP8B222J	2.2k	$\pm 5\%$
2078012	YAG	LP8B472J	4.7k	$\pm 5\%$

8-Pin Bussed

Part No.	*Mfr.	Product No.	Ohms	Tol.
2077829	YAG	LP8A100J	10	$\pm 5\%$
2077853	YAG	LP8A220J	22	$\pm 5\%$
2077861	YAG	LP8A330J	33	$\pm 5\%$
2077896	YAG	LP8A560G	56	$\pm 2\%$
2077909	YAG	LP8A560J	56	$\pm 5\%$
2077837	YAG	LP8A151J	150	$\pm 5\%$
2077917	YAG	LP8A331J	330	$\pm 5\%$
97762	YAG	LP8A471G	470	$\pm 2\%$
2077845	YAG	LP8A102J	1k	$\pm 5\%$
2077968	YAG	LP8A272G	2.7k	$\pm 2\%$
2077950	YAG	LP8A472J	4.7k	$\pm 5\%$
2077802	YAG	LP8A822J	8.2k	$\pm 5\%$
97826	YAG	8BRN10K	10k	$\pm 2\%$
2077925	YAG	LP8A103J	10k	$\pm 5\%$
2077941	YAG	LP8A203J	20k	$\pm 2\%$
2077634	YAG	LP8A823J	82k	$\pm 5\%$
2077773	YAG	LP8A154J	150k	$\pm 5\%$

Over 800,000 Available Online Enter *Web Code: WRN

* XCN = Xicon | YAG = Yageo | ♦ Manufacturer Varies

10-Pin Isolated

Part No.	*Mfr.	Product No.	Ohms	Tol.
97594	YAG	LP10B471G	470	$\pm 2\%$
2078063	YAG	LP10B471J	470	$\pm 5\%$
2077976	YAG	LP10B681G	680	$\pm 2\%$
2078080	YAG	LP10B103J	10k	$\pm 5\%$
2078143	YAG	LP10B473J	47k	$\pm 5\%$

10-Pin Bussed

Part No.	*Mfr.	Product No.	Ohms	Tol.
2077765	YAG	LP10A180J	18	$\pm 5\%$
2077642	YAG	LP10A220J	22	$\pm 5\%$
2077706	YAG	LP10A330G	33	$\pm 2\%$
2077651	YAG	LP10A330J	33	$\pm 5\%$
97834	YAG	LP10A101G	100	$\pm 2\%$
2077669	YAG	LP10A101J	100	$\pm 5\%$
280701	XCN	266-180	180	$\pm 2\%$
2077677	YAG	LP10A181J	180	$\pm 5\%$
97851	YAG	10BRN330	330	$\pm 2\%$
97869	YAG	10BRN470	470	$\pm 2\%$
2077888	YAG	LP10A471J	470	$\pm 5\%$
2077749	YAG	LP10A821G	820	$\pm 2\%$
97877	YAG	10BRN1K	1k	$\pm 2\%$
2077870	YAG	LP10A202G	2k	$\pm 2\%$
2077693	YAG	LP10A202J	2k	$\pm 5\%$
97893	YAG	10BRN2.2K	2.2k	$\pm 2\%$
24660	YAG	10BRN4.7K	4.7k	$\pm 2\%$
2077757	YAG	LP10A562G	5.6k	$\pm 2\%$
24643	YAG	10BRN10K	10k	$\pm 2\%$
280947	XCN	266-10K-RC	10k	$\pm 2\%$
2077714	YAG	LP10A103J	10k	$\pm 5\%$
2077933	YAG	LP10A203G	20k	$\pm 2\%$
281017	XCN	266-33K	33k	$\pm 2\%$
2077722	YAG	LP10A473J	47k	$\pm 5\%$
98095	YAG	10BRN100K	100k	$\pm 2\%$
2077731	YAG	LP10A104J	100k	$\pm 5\%$

♦ Refurbished = Backed by Jameco

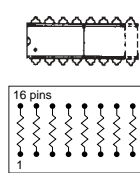
Resistor Networks & Assortments

Dual-In-Line "DIP" Resistor Networks ($\pm 2\%$)

16-Pin Isolated (140mW/Resistor) $\pm 2\%$

Features (161RN):

- Tolerance: $\pm 2\%$
- Max. operating voltage: 100V
- Temp. coefficient: $\pm 100\text{ppm}/^{\circ}\text{C}$
- Operating temp.: -55°C to $+125^{\circ}\text{C}$
- Insulation res.: 10,000M Ω min.
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Copper leads for excellent heat dissipation
- Power rating at 70°C : 2.25 watts
- Compatible with automatic insertion equipment



*Web Code: GAP

Part No.	Ohms
108556	100
108564	220
108572	330
108581	470
108599	1.0k
108610	4.7k
108628	10k

Pricing per each			
1	10	100	1000
\$1.39	\$1.35	\$1.31	\$1.293

0603, 0805, 1206 — 5% & 1% SMD Thick Film Resistors

0805 (1/8W) Chip Resistor Assortment ($\pm 5\%$)

Resistance Value Chart:

- 7,200 pieces total
- Max. overload voltage: 200V
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: 70°C
- Weight: 1.9 lbs. • 1/8 Watt
- Size (mm): 2.0L x 1.25W x 0.5Thick



1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
4.3	30	160	820	3.9k	20k	100k	560k	4.3M
4.7	33	180	910	4.3k	22k	110k	620k	4.7M
5.1	39	200	1.0k	4.7k	24k	120k	750k	5.1M
5.6	43	220	1.1k	5.6k	27k	150k	820k	5.6M
6.2	47	240	1.2k	6.2k	30k	160k	910k	6.8M
6.8	51	270	1.3k	6.8k	33k	180k	1.0M	7.5M
7.5	56	300	1.5k	7.5k	36k	200k	1.1M	8.2M
8.2	62	360	1.6k	8.2k	39k	220k	1.8M	9.1M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

Includes: Case with labels

Part No.	Cross Ref. No.	Description	1	10	25
172806	16-500	144 values — 50 pieces each	\$79.95	\$71.95	\$64.79

Yageo YC164 & TC164 Series — Chip Resistor Arrays

- Surface mount
- Convex and concave styles

*Web Code: YRA

Yageo 0603, 0805, 1206 — 1% (F) & 5% (J) SMD Thick Film Resistors

1% (F): 0603 (17 Values); 0805 (46 Values); 1206 (27 Values)

*Web Code: RFT

5% (J): 0603 (30 Values); 0805 (65 Values); 1206 (64 Values)

*Web Code: YSR

- 7" paper tape plastic reels
- Standard MLCC
- General Purpose

1206 (1/4W) Chip Resistor Assortment ($\pm 1\%$)

56 Values, 200 pcs. each; 11,200 pcs. Total

- Max. working volt.: 200V
- Power: 1/4W
- Operating temperature: 70°C
- Temp. coefficient: $\pm 100\text{ppm}/^{\circ}\text{C}$
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H



Packaged in strips of 200 pcs. each

Part No.	Cross Ref. No.	1	10	25
156882	SMR1206SB	\$99.99	\$89.90	\$79.90

Value Chart (Ohms)			
10	200	3.92k	75k
12	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

Potentiometers

16mm Linear Taper

1/5-Watt ($\pm 20\%$)

- Shaft length: 0.335"

Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.04	\$0.95

Part No.	Manufacturer Part No.	Ohms
286249	RV16AF-10-15R1-B13	1k
286257	RV16AF-10-15R1-B2K	2k
286265	RV16AF-10-15R1-B53	5k
286273	RV16AF-10-15R1-B14	10k
286302	RV16AF-10-15R1-B15	100k
286337	RV16AF-10-15R1-B16	1M



1/8-Watt ($\pm 20\%$)

- Rated voltage: 200V
- Shaft diameter: 0.25"
- Rotational angle: 300° ($\pm 5^{\circ}$)
- Rotation life: 15,000 cycles
- Insulation resistance: $>100\text{M}\Omega$ @ 500VDC
- Shaft length: 0.531"

Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.02	\$0.83

Part No.	Manufacturer Part No.	Ohms
286206	RV16AF-10-20R1-B14	10k



24mm Audio Taper 1/4-Watt ($\pm 20\%$)

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Terminal type: solder lugs
- Rotational angle: 300° ($\pm 5^{\circ}$)
- Max. volt.: 250V
- Insulation resistance: $>100\text{M}\Omega$ @ 500VDC

Qty.	1	10	100	500
Price	\$1.36	\$1.10	\$1.00	\$0.92

Part No.	Manufacturer Part No.	Ohms
255426	RV24AF-10-15R1-A14	10k
255442	RV24AF-10-15R1-A15	100k
255451	RV24AF-10-15R1-A55	500k



*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Linear Taper, Wirewound & Trimming Potentiometers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC BRANDS
HOUSE BRANDS
FACTORY OVERRUN

1/2-Watt 24mm Linear Taper ($\pm 20\%$)

★ Web Code: NBO

- Rotational angle: 300° ($\pm 5^\circ$)
- Withstanding voltage for 1 minute: 500VAC
- Max. voltage: 500V • Shaft Dia.: 0.25"



Qty.	1	10	100	500
Price	\$1.36	\$1.10	\$1.00	\$0.92

0.335"L shaft; solder lugs

Part No.	Manufacturer Part No.	Ohms
255477	RV24AF-10-15R1-B52	500
255485	RV24AF-10-15R1-B13	1k
255493	RV24AF-10-15R1-B23	2k
255514	RV24AF-10-15R1-B53	5k
255522	RV24AF-10-15R1-B14	10k
255531	RV24AF-10-15R1-BF4	25k
255549	RV24AF-10-15R1-B54	50k
255557	RV24AF-10-15R1-B15	100k
255565	RV24AF-10-15R1-BF5	250k
255573	RV24AF-10-15R1-B55	500k
255582	RV24AF-10-15R1-B16	1M
255600	RV24AF-10-15R1-B26	2M

1/2-Watt Linear Taper ($\pm 10\%$)

ValuePro

- Temperature range: -55°C to +125°C
- Non-rotational key, Non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25" • Shaft length: 0.50"

Includes: Mounting hardware

Qty.	1	10	100	500
Price	\$1.09	\$0.95	\$0.79	\$0.65

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K	1k	29103	P100K	100k
29197	P5K	5k	29066	P1MEG	1M
29082	P10K	10k			

Honeywell 2-Watt Linear Taper ($\pm 10\%$)

RV4N Series

- 2W @ 70°C ambient
- Temp. range: -55°C to +120°C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"
- Shaft dia.: 0.25" • Shaft length: 0.875"

Includes: Mounting hardware

Qty.	1	10	25	50
Price	\$10.45	\$8.85	\$7.87	\$6.80

Part No.	Mfr. Part No.	Military No.	Ohms
241568	53C3-100	RV4NAYSD101A	100
241584	53C3-250	RV4NAYSD251A	250
183610	53C3-500	RV4NAYSD501A	500
13936	53C3-1k	RV4NAYSD102A	1k
241613	53C3-2k	RV4NAYSD202A	2k
241621	53C3-2.5k	RV4NAYSD252A	2.5k
13995	53C3-5k	RV4NAYSD502A	5k
13952	53C3-10k	RV4NAYSD103A	10k
241656	53C3-20k	RV4NAYSD203A	20k
241664	53C3-25k	RV4NAYSD253A	25k
95417	53C3-50k	RV4NAYSD503A	50k
13979	53C3-100k	RV4NAYSD104A	100k
241681	53C3-250k	RV4NAYSD254A	250k
241728	53C3-1M	RV4NAYSD105A	1M

0.531"L knurled shaft; solder lugs

Part No.	Manufacturer Part No.	Ohms
264373	RV24AF-10-20K-B52	500
264382	RV24AF-10-20K-B13	1k
264400	RV24AF-10-20K-B23	2k
264402	RV24AF-10-20K-B53	5k
264411	RV24AF-10-20K-B14	10k
264429	RV24AF-10-20K-B54	50k
264437	RV24AF-10-20K-B15	100k
264445	RV24AF-10-20K-BF5	250k
264453	RV24AF-10-20K-B55	500k
264462	RV24AF-10-20K-B16	1M
264480	RV24AF-10-20K-B26	2M

1.32"L shaft; solder lugs

Part No.	Manufacturer Part No.	Ohms
255611	RV24AF-10-40R1-B52	500
255629	RV24AF-10-40R1-B13	1k
255645	RV24AF-10-40R1-BF3	2.5k
255653	RV24AF-10-40R1-B53	5k
255662	RV24AF-10-40R1-B14	10k
255688	RV24AF-10-40R1-B54	50k
255696	RV24AF-10-40R1-B15	100k
255709	RV24AF-10-40R1-BF5	250k
255725	RV24AF-10-40R1-B16	1M

2 & 5-Watt Linear Taper Wirewound ($\pm 20\%$)

ValuePro

- Temp. range: -10°C to +70°C
- Non-rotational key

Includes: Mounting hardware

2-Watt ($\pm 20\%$)

- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Length: 0.825"
- Base length: 0.25"

Part No.	Cross Ref.	No.	Ohms	1	10	100	500
123960	PT1K	1k	...	\$4.09	\$3.70	\$3.28	\$2.96
123967	PT5K	5k	...	3.29	2.96	2.36	1.77

5-Watt ($\pm 20\%$)

- Shaft diameter: 0.23" (6mm)
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"
- Shaft length: 0.67"

Part No.	Cross Ref.	No.	Ohms	1	10	50	100
140514	PW5B100	100		\$2.79	\$2.51	\$2.00	\$1.51

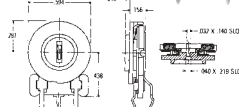
1/4-Watt Miniature Linear ($\pm 20\%$)

X201 (19/32") Vertical Mount

- 15mm thick
- Volt. rating: 350VDC
- Power rating: below 5k Ω – 1/4 watt @ 40°C; 5k Ω & above – 1/4 watt @ 55°C
- Total rotation: 260° $\pm 5^\circ$

Cross Ref. Chart
Equivalent to:
CTS X201R
Bourns 3355X
PIHER PT15

Part No.	Cross Ref.	No.	Ohms	1	10	100	500
94714	X201R10K	10k	...	\$0.55	\$0.45	\$0.39	\$0.35
94731	X201R100K	100k	...	.55	.45	.39	.35



1/2-Watt 24mm Linear Taper with SPST Switch ($\pm 20\%$)

★ Web Code: KBR

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° ($\pm 5^\circ$)

Qty.	1	10	100	500
Price	\$2.49	\$2.08	\$1.90	\$1.71

Part No.	Manufacturer Part No.	Ohms
263792	RV24A01F-10-15R1-B14	10k
263822	RV24A01F-10-15R1-B100K	100k

Bourns® 2-Watt 10-Turn Wirewound ($\pm 5\%$)



- Insulation resistance: (500VDC) 1000M Ω min.
- Power rating:
3540 Series: 2W @ 70°C;
3590 Series: 2W @ 40°C
- Absolute min. resistance: 1 Ω or 0.1% maximum
- Operating temp. range: +1°C to +125°C

3540S -1 Series, Metal Bushing

Part No.	Mfr. Part No.	Ohms	1	10	50
183548	3540S-1-502L	5k	...	\$14.35	\$13.59
183521	3540S-1-103	10k	...	12.99	12.79

3590S -1 Series, Plastic Bushing

Part No.	Mfr. Part No.	Ohms	1	10	100
771112	3590S-1-102L	1k	...	\$9.89	\$9.24
771121	3590S-1-103L	10k	...	9.89	8.93
771139	3590S-1-104L	100k	...	12.85	11.56

3590S -2 Series, Metal Bushing

Part No.	Mfr. Part No.	Ohms	1	5	100
855818	3590S-2-502L	5k	...	\$9.85	\$9.24
771155	3590S-2-103L	10k	...	10.55	8.86
771163	3590S-2-203L	20k	...	9.85	8.86

1/4-Watt, 1/4" Square, Multi-Turn Trimming Potentiometers ($\pm 10\%$)

3266W Series (Top adjust)

- Resistance tolerance: $\pm 10\%$
- Y-layout solder pins • Sealed cermet
- Absolute min. resistance: 1% or 2 Ω max. (whichever is greater) • 12 turns nominal
- Power rating: 0.25W @ 70°C (300V max.)
- Insulation resistance (500VDC): 1,000M Ω min.
- Contact resistance variation: 3% or 3 Ω max. (whichever is greater)

Part No.	*Mfr.	Product No.	Ohms	1	10	100
254626	JVP	3266W-1-201LF	200	...	\$6.99	\$6.30
254642	JVP	3266W-1-102LF	1k	...	2.89	2.45
696351	BNS	3266W-1-102LF	1k	...	2.59	2.45
254651	JVP	3266W-1-202LF	2k	...	2.89	2.45
254669	JVP	3266W-1-502LF	5k	...	2.45	2.12
696440	BNS	3266W-1-502LF	5k	...	2.89	2.60
254677	JVP	3266W-1-103LF	10k	...	2.89	2.45
254706	JVP	3266W-1-503LF	50k	...	2.89	2.45
254714	JVP	3266W-1-104LF	100k	...	2.29	1.98
696378	BNS	3266W-1-104LF	100k	...	3.55	2.77
254749	JVP	3266W-1-105LF	1M	...	2.89	2.45

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers ($\pm 10\%$)

- 25 turns nominal
- Resistance tolerance: $\pm 10\%$
- Power rating: 0.5W @ 70°C (300V max.)
- Temperature range: -55°C to 150°C
- Absolute min. resistance: 1% or 2 Ω max.
- Insulation resistance (500VDC): 1,000M Ω min.



*Web Code: TDF

QUANTITY SAVE

3296W — Top Adjust, In-Line Solder Pins

Part No.	*Mfr.	Mfr. Part No.	Ohms	1	10	100
853530	BNS	3296W-1-101	100	\$2.19	\$1.54	\$1.35
853759	BNS	3296W-1-501	500	2.09	1.54	1.35
853556	BNS	3296W-1-102	1k	2.09	1.61	1.53
853652	BNS	3296W-1-202	2k	2.19	1.54	1.35
853775	BNS	3296W-1-502	5k	2.09	1.54	1.35
853572	BNS	3296W-1-103	10k	2.09	1.66	1.57
853679	BNS	3296W-1-203	20k	2.09	1.54	1.35
853791	BNS	3296W-1-503	50k	2.09	1.54	1.35
853599	BNS	3296W-1-104	100k	2.55	2.34	2.04
853695	BNS	3296W-1-204	200k	2.19	1.54	1.35
853812	BNS	3296W-1-504	500k	2.09	1.54	1.35
853610	BNS	3296W-1-105	1M	2.09	1.66	1.57

3296X — Side Adjust, In-Line Solder Pins

Part No.	*Mfr.	Mfr. Part No.	Ohms	1	10	100
853871	BNS	3296X-1-103	10k	\$2.49	\$1.88	\$1.55

3296Y — Top Adjust, Y-Layout Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	50
240389	BNS	3296Y-1-501	500	\$2.19	\$2.03	\$1.52
240397	BNS	3296Y-1-102	1k	2.19	1.98	1.48
240768	JVP	3296Y-202	2k	2.05	1.88	1.71
240776	JVP	3296Y-502	5k	2.05	1.88	1.71
240418	BNS	3296Y-1-502	5k	2.39	2.22	1.67
240785	JVP	3296Y-103LF	10k	2.05	1.88	1.71
240426	BNS	3296Y-1-103	10k	1.99	1.85	1.39
1156955	BNS	3296Y-1-103LF	10k	2.05	1.61	1.19
240434	BNS	3296Y-1-203	20k	2.59	2.23	1.67
240451	BNS	3296Y-1-503	50k	2.39	2.22	1.67
240469	BNS	3296Y-104	100k	2.05	1.87	1.64
240864	JVP	3296Y-503	2M	1.39	1.31	1.18

3299W — Top Adjust, In-Line Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	50
238553	BNS	3299W-1-100	10	\$6.49	\$5.80	\$5.25
183556	BNS	3299W-1-102	1k	2.39	2.25	1.99
238617	BNS	3299W-1-202	2k	2.95	2.36	1.77
238625	BNS	3299W-1-502	5k	2.95	2.36	2.09
241146	JVP	3299W-103	10k	1.59	1.39	1.29
238633	BNS	3299W-1-203	20k	2.39	2.04	1.53
241171	JVP	3299W-503	50k	2.25	2.01	1.79
238650	BNS	3299W-1-503	50k	2.19	1.95	1.75
183572	BNS	3299W-1-104	100k	2.89	2.68	1.99
854161	BNS	3299W-1-204	200k	2.65	2.45	2.16
238676	BNS	3299W-1-504	500k	2.69	2.43	1.82
238684	BNS	3299W-1-105	1M	3.49	3.20	2.82

3299Y — Top Adjust, Y-Layout Solder Pins

Part No.	*Mfr.	Mfr. Part No.	Ohms	1	10	100
240590	BNS	3299Y-1-502	5k	\$2.65	\$2.04	\$1.81
240602	BNS	3299Y-1-103	10k	2.89	1.96	1.47

Pocket Trimmer Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade



Part No.	Description	Size	1	10	100
153315	Trimmer tool	5.2"L	\$1.59	\$1.45	\$1.35

1/2-Watt, 1/4" Square, Trimming Potentiometers ($\pm 10\%$)

- Resistance tolerance: $\pm 10\%$
- Absolute min. res.: 1% or 2 Ω
- Adjustment angle: 240° nominal
- Insulation res. (500VDC): 1,000M Ω min.
- Power rating: 0.5W @ 70°C
- Temp. range: -55°C to 125°C



*Web Code: UDF

QUANTITY SAVE

3362H Series — Top Adjustment, Y-Layout

Part No.	*Mfr.	Mfr. Part No.	Ohms	1	10	100
770363	BNS	3362H-1-102LF	1k	\$0.71	\$0.65	\$0.61
770371	BNS	3362H-1-103	10k	.82	.69	.64

3362P Series — Top Adjust, Y-Layout

Part No.	*Mfr.	Product No.	Ohms	1	10	100
191644	+	3362P-200	20	\$0.59	\$0.53	\$0.49
182810	+	3362P-501	500	.69	.62	.50
854663	BNS	3362P-1-102LF	1k	.81	.67	.64
854698	BNS	3362P-1-202	2k	.74	.62	.58
182837	+	3362P-103	10k	.79	.72	.541

JAMECO ValuePro 1/2-Watt, 1/4" Round, Trimming Potentiometers ($\pm 10\%$)

3329P Series — Top Adjustment

- Sealed to withstand wave soldering and immersion cleaning process
- Terminals: solderable pins
- TO-5 grid
- Top adjustment
- Extended temp. range: -55°C to +150°C



*Web Code: JDG

Part No.	*Mfr.	Cross Ref. No.	Ohms	1	10	100
95441	+	3329P-102	1k	\$1.75	\$1.46	\$1.20
254530	JVP	3329P-103	10k	.74	.66	.60
254538	JVP	3329P-203	20k	.72	.65	.58

1/2-Watt, 3/8" Square, Trimming Potentiometers ($\pm 10\%$)



*Web Code: CDG

- Insulation resistance (500VDC): 1,000M Ω min.
- Resistance tolerance: $\pm 10\%$
- Absolute min. res.: 2 Ω max.
- Adjustment angle: 280° nominal
- Temp. range: -55°C to 125°C
- Power rating: 0.5W @ 85°C (300V max.)

Cross Ref. Chart

Equivalent to:	
Allen Bradley	E2B
Beckman	72PR
Bourns	3386P
Meppocal	8038
Murata	3104P
Spectrol	63P
VRN	780-12P
Weston	840P

3386W — Side Adjust, In-Line Solder Pins

Part No.	*Mfr.	Cross Ref. No.	Ohms	1	10	100
241429	JVP	3386W-102	1k	\$1.07	\$0.95	\$0.83

3386P — Top Adjust, Y-Layout Solder Pins

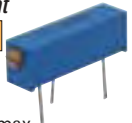
Part No.	*Mfr.	Product No.	Ohms	1	10	100
855164	BNS	3386P-1-101LF	100	\$1.09	\$0.95	\$0.81
855480	BNS	3386P-1-501	500	1.10	.97	.90
43123	+	63P500	500	.78	.69	.61
855199	BNS	3386P-1-102	1k	1.09	.84	.78
42964	+	63P1K	1k	.83	.73	.64
43043	+	63P2K	2k	.78	.69	.61
855519	BNS	3386P-1-502	5k	1.10	.98	.90
43078	+	63P5K	5k	.78	.69	.61
855228	BNS	3386P-1-103	10k	1.10	.97	.90
770806	BNS	3386P-1-103LF	10k	1.09	.84	.78
43001	+	63P10K	10k	.85	.79	.69
43051	+	63P20K	20k	.93	.80	.65
43107	+	63P50K	50k	.78	.69	.61
855244	BNS	3386P-1-104	100k	1.10	.97	.90
43027	+	63P100K	100k	.83	.73	.64
43060	+	63P300K	300k	.85	.77	.68
63212	+	63P500K	500k	1.04	.91	.74
855287	BNS	3386P-1-105LF	1M	1.09	.98	.90
42981	+	63P1MEG	1M	.88	.66	.65

*BNS = Bourns | JVP = Jameco ValuePro | + Manufacturer Varies

3/4-Watt, 3/4" Rectangular, Multi-Turn Cermet Trimming Potentiometers ($\pm 10\%$)

3006P Series — Side Adjustment

- 15 turns nominal
- Y-layout solder pins
- Insulation resistance: (500VDC) 1,000M Ω min.
- Contact resis. variation: 1% or 1 Ω max.
- Absolute min. resistance: 1% or 2 Ω max.
- Power rating: 0.75W @ 70°C (400V max.)



*Web Code: FDG

Part No.	*Mfr.	Product No.	Ohms	1	10	100
241235	JVP	3006P-101	100	\$1.19	\$1.12	\$1.03
241242	JVP	3006P-1-201	200	1.19	1.12	1.03
241252	JVP	3006P-501	500	1.19	1.07	.95
696087	BNS	3006P-1-501	500	1.49	1.45	1.39
241270	JVP	3006P-102	1k	1.19	1.07	.95
696001	BNS	3006P-1-102	1k	1.49	1.45	1.39
41785	+	43P1K	1k	1.07	1.01	.93
241278	JVP	3006P-202	2k	1.19	1.12	1.03
41865	+	43P2K	2k	.90	.81	.73
241286	JVP	3006P-502	5k	1.19	1.07	.95
696095	BNS	3006P-1-502	5k	1.49	1.45	1.39
41890	+	43P5K	5k	1.07	.96	.86
241294	JVP	3006P-103	10k	1.19	1.12	1.03
696010	BNS	3006P-1-103	10k	1.49	1.45	1.39
41822	+	43P10K	10k	1.07	1.01	.93
241307	JVP	3006P-203	20k	1.05	.95	.84
696061	BNS	3006P-1-203	20k	1.49	1.45	1.39
41873	+	43P20K	20k	1.07	1.01	.93
241323	JVP	3006P-503	50k	1.19	1.12	.88
696108	BNS	3006P-1-503	50k	1.49	1.45	1.39
41911	+	43P50K	50k	1.07	.96	.86
241332	JVP	3006P-104	100k	1.31	1.24	1.18
241350	JVP	3006P-204	200k	1.19	1.12	1.03
696028	BNS	3006P-1-104	100k	1.49	1.34	1.19
41849	+	43P100K	100k	1.07	.96	.86
241374	JVP	3006P-105	1M	1.19	1.12	1.05
696036	BNS	3006P-1-105	1M	1.34	1.31	1.25
41806	+	43P1MEG	1M	1.07	1.01	.93

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Chokes & Inductors



JAMECO ValuePro Conformal Coated RF Chokes

J.W. Miller 5300 Series Value Equivalent

- High current and high self-resonant frequency
- Low DCR
- Low cost
- Epoxy coated to protect winding from harsh environments

★ Web Code: MBY

Part No.	Cross Ref. No.	L ±10% (μH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current Max. (mA)	Pricing		
						1	10	100
642492	5300-25	100.0	3.9	0.67	550	\$.25	\$.223	\$.20

J.W. Miller 78F Series Value Equivalents

- High Q and self-resonant frequency
- Dielectric strength: 500V_{RMS}
- Color bands identification
- Operating temp.: -55°C to +105°C
- Overall length: 2.28"
- Low DCR
- Body length: 0.28"
- Low cost
- Lead length: 1.0"
- Body diameter: 0.11"

QUANTITY SAVE

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) Min.	DCR Max. (Ω)	I (mA) Max.	Pricing		
						1	10	100
372111	78F1R0	1.0	180	0.15	385	\$.103	\$.093	
372171	78F100	10.0	22	0.72	130	.075	.068	
372197	78F220	22.0	13	1.20	140	.103	.093	

* L (μH) ±5%

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Size: A = 3.2mm max.; B = 7.0mm max.; C = 0.48±0.5mm (except P/N 208143: 0.50±0.5mm); D = 63±3mm
- Tolerance: 5%

★ Web Code: WBG

Part No.	L (μH)	Q (min.)	Test. Freq. (MHz)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing		
							1	10	100
208143	10	60	7.96	28.7	1.56	670	\$.086	\$.077	
208194	100	45	2.52	5.0	4.98	240	.10	.09	
208240	1000	45	0.796	1.5	31.3	80	1.40	1.25	1.15



Helping You Find What You Need

Can't find the product you're looking for call us at 1-800-831-4242.

JAMECO ValuePro

- DC - DC converter, EMI filter applications
- Low radiation
- High current capacity
- Operating temperature: -55°C to +105°C
- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specs.

JAMECO EXCLUSIVE

QUANTITY SAVE



J.W. Miller 2100 Series Value Equivalents

★ Web Code: KBY

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371741	2101-V	10.0	10.8	0.006	0.34	0.053	\$.78	\$.70	\$.65
371506	2101-H	10.0	10.8	0.006	0.77	0.053	.41	.373	.335
371768	2103-V	15.0	7.7	0.012	0.33	0.042	1.69	1.04	.74
371822	2109-V	47.0	3.6	0.055	0.31	0.027	.45	.402	.362
371848	2111-V	68.0	3.3	0.067	0.31	0.027	1.10	.97	.87
371856	2112-V	100.0	2.4	0.13	0.31	0.022	2.29	1.97	1.68
371611	2112-H	100.0	2.4	0.13	0.74	0.022	1.95	1.60	1.40
371872	2114-V	150.0	3.4	0.062	0.35	0.034	1.65	1.20	.90
371638	2114-H	150.0	3.4	0.062	0.79	0.034	.89	.80	.72
371899	2116-V	220.0	2.4	0.12	0.34	0.027	.49	.443	.399
371653	2116-H	220.0	2.4	0.12	0.77	0.027	1.19	1.07	.96
371670	2118-H	330.0	1.7	0.23	0.76	0.022	4.69	4.25	3.82
371952	2122-V	680.0	1.4	0.33	0.35	0.022	2.15	1.15	.86
371725	2123-H	820.0	1.4	0.37	0.79	0.022	2.05	1.75	1.32
371979	2124-V	1000.0	1.3	0.40	0.37	0.022	2.15	1.17	1.08

JAMECO ValuePro High Current Axial RF Chokes

JAMECO EXCLUSIVE

- High current capacity
- Ferrite bobbin core
- Low DCR
- Test frequency: 1kHz

NEW MARKED BY P/N

★ Web Code: BCG

J.W. Miller 5800 Series Value Equivalents

Part No.	Cross Ref. No.	L ±10% (μH)	DCR Max. (Ω)	DC Current Max. (A)	Pricing		
					1	10	100
642601	5800-101	100	0.208	0.632	\$1.44	\$.71	\$.59
642644	5800-221	220	0.43	0.508	1.25	.62	.56
642687	5800-471	470	1.15	0.315	1.19	.72	.51
642695	5800-102	1000	2.30	0.200	.34	.31	.279
642741	5800-103	10,000	26.4	0.05	.34	.304	.274

J.W. Miller 5900 Series Value Equivalents

Part No.	Cross Ref. No.	L ±10% (μH)	Q	SRF (MHz) min.	DCR Ω max.	IDC (mA)	Pricing		
							1	10	100
642767	5900-220	22	62	0.026	6.07	1000	\$.55	\$.50	\$.45
642791	5900-101	100	72	0.09	2.79	500	2.35	1.28	.96
642821	5900-221	220	107	0.162	1.89	400	.54	.50	.45
642839	5900-271	270	62	0.208	1.63	1000	2.29	1.55	1.10
642863	5900-471	470	72	0.38	1.2	500	.81	.73	.66
642880	5900-102	1000	107	0.844	0.8	400	2.39	1.28	.96
642919	5900-682	6800	107	5.69	0.322	400	.87	.78	.70
642927	5900-103	10,000	107	7.3	0.266	400	1.95	1.66	1.25

JAMECO ValuePro Axial Leaded RF Chokes

★ Web Code: XCF

- Inductive tolerance: 10%
- Oper. temp.: -55°C to +125°C
- Size: A = 6.8mm max.; B = 19mm max.; C = 25.0±2.0mm; D = 0.65mm±0.5mm

J.W. Miller 4600 Series Value Equivalent

Part No.	Cross Ref. No.	L (μH) @ 1kHz	Q	SRF (MHz) min.	DCR Ω max.	IDC (mA)	Pricing		
							1	10	100
642337	4624	15	62	33	0.17	1000	\$.75	\$.68	\$.58
642353	4629	55	72	17	1	500	.75	.68	.58
642388	4632	100	107	12	3	400	.62	.56	.50

JAMECO ValuePro

Molded RF Choke

- High Q and high reliability
- Injection molded to protect coil from extreme environment
- Ferrite magnetic shielded for low radiation
- Operating temp.: -55°C to +105°C

J.W. Miller 9250 Series Value Equivalent

★ Web Code: PBY

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) Min.	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing		
							1	10	100
372533	9250-474	470.0	5.7	9.5	92	Ferrite	\$.36	\$.326	\$.293

J.W. Miller 2200 Series Value Equivalents

★ Web Code: KBY

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371303	2205-V	22.0	10.3	0.010	0.46	0.053	\$2.85	\$1.59	\$1.45
371346	2209-V	47.0	6.7	0.024	0.45	0.042	6.15	5.55	4.99
371371	2212-V	100.0	4.4	0.056	0.44	0.034	1.18	1.07	.96
371135	2212-H	100.0	4.4	0.056	0.86	0.034	.92	.85	.75
371418	2216-V	220.0	3.6	0.083	0.48	0.034	.53	.48	.432
371434	2218-V	330.0	3.3	0.10	0.48	0.034	1.35	1.20	1.08

J.W. Miller 2300 Series Value Equivalents

★ Web Code: KBY

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
386901	2301-V	10.0	20.0	0.005	0.56	0.066	\$1.26	\$1.14	\$1.00
386978	2304-V	18.0	17.2	0.006	0.56	0.066	3.15	2.23	2.12
386521	2308-H	39.0	11.2	0.014	1.14	0.053	1.26	1.15	1.00
387111	2310-V	56.0	10.2	0.017	0.53	0.053	1.00	.90	.82
386601	2312-H	100.0	7.0	0.037	1.13	0.042	2.75	1.95	.95
387188	2313-V	120.0	6.7	0.040	0.52	0.042	.66	.60	.54
386679	2315-H	180.0	4.8	0.078	1.12	0.034	1.00	.90	.82
387268	2316-V	220.0	5.8	0.054	0.56	0.042	2.19	1.79	1.33
386767	2319-H	390.0	5.0	0.072	1.17	0.042	.70	.63	.57

High-Current Toroid Inductors continued on next page

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

JAMECO ValuePro High-Current Toroid Inductors (Continued)

J. W. Miller 5700 Series Value Equivalents

- Low radiation • Low core loss
- High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
C = 15.0±1.0mm; D = 1.2±0.5mm
- See page 119 for EMI suppression cores
- See technical datasheets on www.jameco.com for complete specifications

Part No.	Cross Ref. No.	L (µH)	IDC max. (A)	L min. @ IDC	Pricing				
					1	10	25	50	100
208259	5701	10	11.0	5	\$3.95	\$3.65	\$3.25	\$2.95	\$2.45
208320	5712	150	4.75	85	1.65	1.46	1.30	1.18	1.10
208291	5705	450	1.5	250	1.47	1.32	1.19	1.07	.96

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

Part No.	Cross Ref. No.	Resistance (Ω @ 25°C)	B Constant (25/50°C >10%)	Temp. Coef. @ 25°C (%/°C)	Pricing				
					1	10	100	500	
207483	NTC-102	1k	3800	-4.3	\$.64	\$.58	\$.431	\$.363	
207441	NTC-502	5k	3900	-4.4	.59	.53	.424	.318	
207037	NTC-103	10k	4100	-4.6	.65	.55	.44	.37	

JAMECO ValuePro Fuse Holders & Clips

Low Profile Fuse Clips

- Low contact resistance
- Withstands shock/vibration
- Order in multiples of 10

Part No.	Description	Size (H" x W" x D" x P")	1	10	100	1000
102860	5mm, front leads	.37 x .25 x .21 x .19	\$.165	\$.098	\$.058	
102842	1/4", front leads (10A)	.32 x .27 x .25 x .23	.116	.096	.088	

1/4" x 1/4" Standard Thumbscrew Cap Holders

- Straight solder terminal

Part No.	Approvals	Size (L" x Dia.)	Mounting Hole	Current	1	10	100	1000
120994	CE	1.95" x .71"	.58"Dia. (Double D-style)	10A @ 250VAC	\$.95	\$.83	\$.66	\$.59
18703	UL/CSA	2.05" x .71"	.58"Dia. x .52"Flat (D-style)	10A @ 250VAC	1.59	1.35	1.15	.86

5mm x 20mm Miniature Thumbscrew Cap Holders

- Straight solder terminal

Part No.	Approvals	Size (L" x Dia.)	Mounting Hole	Current	1	10	100	1000
150464	CE	1.5 x 0.6	.50"Dia. x .43"Flat	6A @ 250VAC	\$1.08	\$.97	\$.87	\$.78
102825	UL/CSA	1.5 x 0.6	.50"Dia.	10A @ 250VAC	1.25	1.04	.92	.75

5mm x 20mm Mini Low Profile Fuse Holder

Part No.	Description	Size (L" x Dia.)	Mounting Hole	Current	1	10	100
102832	Fuse holder UL/CSA	1.4 x 0.6	.5"Dia. x .46"Flat (D-style)	10A @ 250VAC	\$2.95	\$2.69	\$2.39

1/4" x 1/4" Standard In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center

Part No.	AWG	Wire Lengths	Body Length	Body Color/Wire Color	1	10	100
109322	22	3.5/3"	2.4"	Black/Red	\$1.19	\$1.01	\$.89
102868	20	3/3"	2.2"	White/Red	.78	.66	.58
151918	18	6/6"	2.4"	White/Red	1.19	1.02	.78
108784	16	21/26"	2.2"	Black/Orange	1.79	1.52	1.14
108792	14	19/25"	2.5"	Black/Red	3.05	2.59	1.99

5mm x 20mm Miniature In-Line Fuse Holder

Part No.	AWG	Wire Color	Body Size	1	10	100
109330	20	Red	1.8"L	\$.69	\$.56	\$.42

* Fuse Holders Available Online — Enter Web Code: UEA

Product requires one to two additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

JVP = Jameco ValuePro | LTL = Littelfuse

*** For Complete Specs & Additional Product Listings Search www.jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

LA Series Radial Leaded Varistors

The LA series of transient voltage suppressors are radial-lead varistors (MOV) that are designed to be operated continuously across AC power lines.

* Web Code: CEF

Order in multiples of 5

Part No.	*Mfr.	Product No.	Size (Dia.) mm	Continuous Voltage V _{M(AC)}	Transient Voltage V _{M(DC)}	Energy Joules	Max. Clamping Voltage V _C	I _{PK(A)}	Pricing	
667032	JVP	V130LA2	7	130	200	17.5	340	10	\$.078	\$.071
1776089	LTL	V420LA20A	14	420	560	90	1120	50	.291	.265



Resettable Fuses

Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

Fig. 1

Fig. 2

- Rated voltage: (V_{MAX}): 60V
- Max. current: (I_{MAX}): 40A
- Lead length (D): 7.6mm min.
- Thickness (E): 3.1mm max.

* Web Code: SBF

Part No.	Mfr. P/N	Hold Curr. (I _H , A)	Trip Curr. (I _T , A)	Fig.	Size (mm)			Pricing			
					A	B	C	1	10	100	500
199858	RA030-60	0.30	0.60	1	7.4	13.0	5.1	\$.54	\$.49	\$.47	\$.37
199874	RA050-60	0.50	1.00	1	7.9	13.7	5.1	.63	.58	.55	.51
199882	RA065-60	0.65	1.30	1	9.7	14.5	5.1	.54	.495	.406	.366
199912	RA110-60	1.10	2.20	2	13.0	18.0	5.1	.57	.55	.52	.40



Fuse Holders

Panel Mount for 3AG Fuses

- Dielectric strength: 2400V min.
- Knob: bayonet style with lettering
- Molded parts: black thermoplastic, UL94V-0
- Current rating: 20A
- Terminals: copper & copper alloy, tin plated

Part No.	Mfr. Part No.	1	10	100
1711681	342012	\$7.99	\$7.19	\$6.45

Subminiature No. 560 for TR5®/TE5® Fuses

- PCB Mount, 7.18mm pin spacing
- Electrical rating: 250V, 6.3A, 1.6W
- Terminals: tinned copper alloy
- Holder: thermoplastic UL94V-0, polyester

Part No.	Mfr. Part No.	1	5	100
1716887	5600000100	\$.65	\$.59	\$.44

3AG Omni-Blok® Molded Base Type Fuse Block

- Dielectric strength: 1500V min.
- Clip/terminals: tin plated spring brass
- Solder terminal

Part No.	Mfr. Part No.	Current Rating	1	10	100
1711947	354001-GY	15A, 300V	\$.86	\$.79	\$.67

More Product Information

Compare products online to quickly find the products you want with real time product availability and specifications. Purchasing products has never been easier.

Fuses, Oscillators & Crystals

3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC HOUSE BRANDS FACTORY OVERRUN

JAMECO ValuePro

Fuses

1.25" x .25" Standard Fast Acting (250V) AGC/3AG Fuses

* Order in multiples of 10

Part No.	Cross Ref.	*Mfr.	Amps	1	10	100
69404	AGC-250mA	JVP	.25A	.....	\$.52	\$.442
10410	AGC-1/2	JVP	.5A	.....	.19	.15
10373	AGC-1	JVP	1A	.....	.341	.205
652949	312001.HXP	LTL	1A	.....	.29	.248
197528	AGC-1.6	JVP	1.6A	.....	.20	.15
10382	AGC-2	JVP	2A	.....	.309	.18
69439	AGC-3	JVP	3A	.....	.334	.284
197544	AGC-4	JVP	4A	.....	.29	.26
10401	AGC-5	JVP	5A	.....	.22	.20
653010	312005.HXP	LTL	5A	.....	.22	.19
197552	AGC-6.3	JVP	6.3A	.....	.264	.199
69462	AGC-10	JVP	10A	.....	.19	.15
186301	—	JVP	16A	.....	.25	.19

1.25" x .25" Standard Slow Blow MDL/3AG Fuses (250V)

Part No.	Cross Ref.	*Mfr.	Amps	1	10	100
25655	MDL-1/4	JVP	.25A	.....	\$.37	\$.331
25689	MDL-1/2	JVP	.5A	.....	.59	.49
25639	MDL-1	JVP	1A	.....	.68	.61
25646	MDL-2	JVP	2A	.....	.51	.43
69535	MDL-3	JVP	3A	.....	.49	.47
653511	313003HXP	LTL	3A	.....	.76	.75
25672	MDL-5	JVP	5A	.....	.47	.45
69570	MDL-10	JVP	10A	.....	.96	.83

5mm x 20mm Mini Fast Acting GMA Fuses (250V)

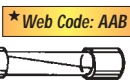
- Recommended for new designs
- Order in multiples of 10

Part No.	Cross Ref.	*Mfr.	Amps	10	100	500
103887	GMA-250mA	JVP	.25A	.....	\$.43	\$.40
102041	GMA-500mA	JVP	.5A	.....	.234	.21
103908	GMA-1	JVP	1A	.....	.269	.188
103916	GMA-2	JVP	2A	.....	.305	.22
103924	GMA-3	JVP	3A	.....	.335	.301
103932	GMA-5	JVP	5A	.....	.25	.20

5mm x 20mm Mini Slow Blow GMD Fuses (250V)

- Order in multiples of 10

Part No.	Cross Ref.	*Mfr.	Amps	10	100	1000
197502	GMD-500mA	JVP	500mA	.....	\$.369	\$.33
197465	GMD-1	JVP	1A	.....	.35	.28
197472	GMD-2	JVP	2A	.....	.25	.22
197482	GMD-3.15	JVP	3.15A	.....	.40	.36
197500	GMD-5	JVP	5A	.....	.468	.428



TTL Oscillators

- Frequency stability $\pm 100\text{ppm}$
- Operating temp.: 0°C to 70°C
- Output load TTL: 10 TTL max.

Half Can

- Input voltage: $+3.3\text{VDC} \pm 10\%$
- OSC series oscillators fit into a 14-pin DIP socket
- P/N 676385, web



*Web Code: MAM

Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing
325462	♦	1.0	15mA	10ns	\$1.65 \$1.50 \$1.22
325489	♦	1.8432	15mA	10ns	2.09 1.75 1.31
325526	JVP	4.0	15mA	10ns	1.95 1.72 1.31
102779	♦	10.0	45mA	6ns	1.75 1.49 1.25

Full Can

- Input voltage: $+5\text{VDC} \pm 0.5\text{VDC}$
- OSC series oscillators fit into a 14-pin DIP socket
- P/N 133006, web



*Web Code: XAD

Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	Pricing
27861	♦	1.0	7mA	15ns	\$2.49 \$2.20 \$1.43
27879	♦	1.8432	7mA	15ns	2.39 2.15 1.61
27924	♦	2.0	7mA	15ns	1.49 1.39 1.29
27967	♦	4.0	7mA	10ns	1.99 1.79 1.59
27991	♦	8.0	15mA	15ns	2.39 2.03 1.79
27887	♦	10.0	15mA	10ns	1.99 1.79 1.34
27895	♦	12.0	15mA	10ns	1.89 1.75 1.31
27908	♦	16.0	15mA	10ns	1.55 1.35 .95
27932	♦	20.0	17mA	10ns	2.15 1.83 1.46
76822	♦	33.0	18mA	6ns	1.99 1.69 1.28
153226	♦	40.0	15mA	6ns	1.25 .99 .79
76857	♦	100.0	25mA	3ns	2.49 2.26 1.70

14-Pin Crystal Oscillator Socket

- Can be PCB mounted without the modifications that would be needed with DIP IC socket
- Low profile solder tail; machine tooled for 4-pins
- Good for prototyping and PCB mounting



*Web Code: COS

Part No.	Description	1	10	100
133006	MDL-1/4	\$.55	\$.45	\$.35

More at www.Jameco.com

Crystals

- Frequency calibration tolerance: $\pm 50\text{ppm}$ @ 25°C
- Operating temperature: -10°C to $+60^{\circ}\text{C}$
- Drive level: 4.0mW maximum
- Shunt capacitance: 7pF maximum
- Freq. stability tolerance: $\pm 50\text{ppm}$ from -10° to $+60^{\circ}\text{C}$

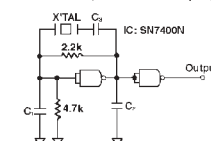


HC49/US Low Profile Case

*Web Code: EAU



HC49/U (HC18/U) Case
Dimensions in millimeters



C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

Application Reference (4-14MHz) (parallel resonance)

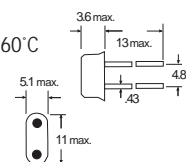
Part No.	*Mfr.	Frequency (MHz)	Impedance	Pricing
325201	JVP	12.0	20pF	\$.56 \$508 \$.353
325024	JVP	24.0	20pF	.49 .39 .25

HC49/U (HC18/U) Case

Part No.	*Mfr.	Frequency (MHz)	Impedance	Pricing
102613	♦	1.8432	18pF	\$1.19 \$1.10 \$.82
101274	♦	2.4576	32pF	.75 .59 .45
14533	♦	3.579545	18pF	.40 .34 .255
324364	JVP	4.0	Series	.35 .299 .274
14592	♦	4.0	20pF	.59 .54 .41
14728	♦	8.0	Series	.42 .357 .315
14381	♦	10.0	Series	.79 .69 .59
120061	♦	11.0592	Series	.80 .71 .533
14402	♦	12.0	Series	.80 .68 .50
537799	♦	14.31818	Series	.25 .22 .19
324268	JVP	20.0	20pF	.35 .298 .263
14517	♦	20.0	Series	.79 .69 .52

HC49/S Low Profile Case

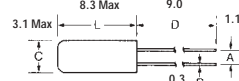
- Operating temp.: -10°C to $+60^{\circ}\text{C}$
- Drive level: 0.5mW (fundamental frequency)
- Aging: $\pm 5\text{ppm}/\text{year}$ max.
- Frequency stability tolerance: $\pm 50\text{ppm}$



Part No.	Comparable:	*Mfr.	Freq. (MHz)	Imped.	Pricing
137832	CY4LP	♦	4.000	17pF	\$.49 \$.368
137875	CY11.05LP	♦	11.0592	Series	1.05 .81
137891	CY16LP	♦	16.000	Series	.39 .33

Tuning Fork

- Operating temperature range: -10°C to $+60^{\circ}\text{C}$
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: $\pm 50\text{ppm}$
- Aging for first year: $\pm 3\text{ppm}$ (max. $+25^{\circ}\text{C}$)



Part No.	Comparable to:	Imped.	1	10	100
14584	CY32.76	10.5pF	\$.89	\$.79	\$.69

* JVP = Jameco ValuePro | LTL = Littelfuse | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion



81875 (Capacitor Kit)

Each kit includes a 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319610), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Cabinet: ABS-Black
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Weight: 4.6 to 6.4 lbs.
- Cabinet is wall-mountable or free standing

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.



81832 (Resistor Kit)

Need a refill?
Just call
1-800-831-4242


1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.2kΩ	2.7kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	1.5kΩ	3.3kΩ	20kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2kΩ	5.1kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.2kΩ	5.6kΩ	33kΩ	10MΩ		
Part No.	Description				Wt. (lbs.)	1	10
81832	540 pcs. 1/4-watt Resistor kit				4.9	\$31.59	\$28.49
103166	Refill for 81832 (540 pcs.)				0.2	12.95	11.49

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		
Part No.	Description				Wt. (lbs.)	1	10
107879	540 pcs. 1/2-watt Resistor kit				5.1	\$29.95	\$26.95
107853	Refill for 107879 (540 pcs.) 				0.4	15.69	14.17

1/2-Watt Single Turn Cermet Pot Kit

See page 39 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each	
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ	
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ	
Part No.	Description		Wt. (lbs.)	1	10
85032	100 pcs. single turn Pot kit		4.9	\$77.99	\$73.99

3/4-Watt 15 Turn Cermet Pot Kit

See page 39 (43P Series) for photos and specs.

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each	
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ	
43P1kΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ	
Part No.	Description		Wt. (lbs.)	1	10
85041	100 pcs. 15 turn Pot kit		4.9	\$89.95	\$79.95

Radial Electrolytic Capacitor Kit

Includes 240 pcs. (15 values) ±20% Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each	
100μF @ 50V	1000μF @ 16V	1μF @ 50V	3.3μF @ 50V	22μF @ 50V	
220μF @ 25V	2200μF @ 25V	1μF @ 100V	4.7μF @ 50V	47μF @ 50V	
470μF @ 25V	3300μF @ 25V	2.2μF @ 50V	10μF @ 50V	100μF @ 25V	
Part No.	Description		Wt. (lbs.)	1	10
81867	240 pcs. Radial Capacitor kit		5.3	\$36.25	\$34.35
130331	Refill for 81867 (240pcs.)		0.5	29.99	27.99

Axial Electrolytic Capacitor Kit

Includes 140 pcs. (10 values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each	
47μF @ 50V	220μF @ 50V	1000μF @ 25V	1μF @ 50V	10μF @ 50V	
100μF @ 50V	470μF @ 50V	2200μF @ 16V	4.7μF @ 50V	2.2μF @ 50V	
Part No.	Description		Wt. (lbs.)	1	10
81875	140 pcs. Axial Capacitor kit		5.3	\$45.55	\$40.98
130340	Refill for 81875 (140pcs.)		0.6	30.45	27.40

Mylar Capacitor Kit

Includes 280 pcs. (10 values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001μF	.022μF	.047μF	.47μF	.01μF
.0047μF	.033μF	.22μF	1μF	.1μF
Part No.	Description	Wt. (lbs.)	1	10
81883	280 pcs. Mylar Capacitor kit	5.1	\$46.89	\$44.45
130358	Refill for 81883 (280pcs.)	0.3.....	33.95	30.95

Dipped Tantalum Capacitor Kit

Includes 150 pcs. (15 values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1μF @ 35V	1μF @ 25V	3.3μF @ 35V	10μF @ 16V	22μF @ 16V
.22μF @ 35V	1μF @ 35V	4.7μF @ 35V	10μF @ 35V	33μF @ 25V
.47μF @ 35V	2.2μF @ 16V	6.8μF @ 35V	15μF @ 25V	47μF @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81841	150 pcs. Tantalum Capacitor kit	4.8	\$87.95	\$79.95
130260	Refill for 81841 (150 pcs.)	0.3	80.89	76.86

Ceramic Disc Capacitor Kit

Includes 520 pcs. (10 values) 50V ±20% Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each	
10pF	47pF	470pF	.022μF	.01μF	
22pF	100pF	.001μF	.047μF	.1μF	
Part No.	Description		Wt. (lbs.)	1	10
81859	520 pcs. Ceramic Capacitor kit		5.0	\$38.45	\$34.62
130232	Refill for 81859 (520 pcs.)		0.3	23.45	20.95

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 values) 50V ±20% Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each	
22pF	.001μF	.047μF	.47μF	.01μF	
100pF	.0022μF	.22μF	1μF	.1μF	
Part No.	Description		Wt. (lbs.)	1	10
171475	280 pcs. Monolithic Capacitor kit		5.0	\$31.15	\$29.25
171483	Refill for 171475 (280pcs.)		0.3	28.89	27.43

Transformers



PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- Applications: line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input
- Impedance (Ω): 600CT
- Primary DC Unbalance: 15mA

*Web Code: SAJ



Part No.	Mfr. P/N	Output (mW)	Size	1	10	100
630459	TY-145P	100	5/8"H x 9/32"D x 13/16"L	\$3.85	\$2.78	\$2.55

Modem Coupling Transformer

- Insulation resistance: 100MΩ
- Vacuum wax impregnated
- Core type: EI-14
- Hipot tested: 1000VAC



Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125357	XFR6006A14	600CT	600CT	65	55	\$1.95	\$1.66	\$1.46

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Coaxial Cables

All Products Available in 100' Length. Call for Quote

★ Web Code: UEZ

50Ω Transmission and Computer Cable RG8/X & RG8/U Type

16 AWG stranded (19x29) .058" bare copper RG8/X type

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: 0.242" • Color: black

Part No.	Mfr. Part No.	Description	Price
234255	9258-1000-10	1000' reel	\$601.15
234258	9258-U500-10	500' unreel box	357.05
234257	9258-U1000-10	1000' unreel box	619.35

13 AWG stranded (7 x 21) .085" bare copper RG8/U type

- 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 52Ω
- Nominal outer diameter: .405" • Color: black

Part No.	Mfr. Part No.	Description	Price
232848	8237-100-10	100' reel	\$166.05

11 AWG stranded (7 x 19) .108" bare copper RG8/U type

- Nominal outer diameter: .285" • Color: black
- Foam polyethylene insulation & black PVC jacket • 97% bare copper braid shield
- Nominal capacitance: 85.3pF/m • Nominal impedance: 50Ω

Part No.	Mfr. Part No.	Description	Price
232768	8214-500-10	500' reel	\$299.95
232776	8214-1000-10	1000' reel	594.99

50Ω Transmission and Computer Cable RG58A/U Type

20 AWG solid .032" bare copper

- Nominal outer diameter: .193" • Color: black
- Polyethylene insulation and black PVC jacket • 95% tinned copper braid shield
- Nominal capacitance: 93.5pF/m • Nominal impedance: 51.5Ω

Part No.	Mfr. Part No.	Description	Price
232899	8240-1000-10	1000' reel	\$358.25

20 AWG stranded (19 x 32) .037" tinned copper

- 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m • Nominal impedance: 53.5Ω
- Nominal outer diameter: .194" • Color: black

Part No.	Mfr. Part No.	Description	Price
232830	8219-1000-10	1000' reel	\$294.99

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper

- Gas injected foam HDPE insulation, PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- DuoFoil® +95% tinned copper braid shield • Nominal outer diameter: .275"

Part No.	Mfr. Part No.	Description	Price
234099	1694A-100-10	100' reel (black)	\$68.05



Hook-Up Wire – UL/CSA Dual Rated AWM Styles 1007/1569

★ Web Code: YCS

Applications: Inter-connection circuits, internal wiring of computer and data processing equipment, appliances & automotive. Appliance Wiring Material is Underwriter Laboratories' recognized covering of insulated wire and cable intended for internal wiring of appliances and equipment.

- Rated 105°C, 300V; 600V peak for electronic circuits and electrical equipment
- Tinned copper
- PVC insulated
- 100' reel
- Blue Part No. = Limited Quantity Available

Mfr. Part No.	AWG	Stranding	Brown P/N	Red P/N	Orange P/N	Yellow P/N	Green P/N	Violet P/N	Gray P/N	White P/N	Black P/N	Dk Blue P/N	1	5	10
9928-100	28	7 x 34	N/A	734603	734604	734605	734606	734608	N/A	734610	734611	N/A	\$23.35	\$20.55	\$19.88
9926-100	26	7 x 32	734502	734503	N/A	734505	734506	734508	N/A	734510	734511	734514	23.85	21.58	18.10
9923-100	24	7 x 32	734402	734403	N/A	734405	734406	N/A	N/A	734410	734411	N/A	24.05	22.95	20.85
9921-100	22	7 x 30	734302	734303	734304	734305	734306	734308	734309	734310	734311	734314	27.25	26.38	25.53
9919-100	20	7 x 28	734202	734203	734204	734205	734206	734208	734209	734210	734211	734214	37.39	35.46	33.69
9918-100	18	16 x 30	734102	734103	N/A	734105	734106	N/A	734109	734110	734111	734114	36.95	30.14	27.54
9916-100	16	26 x 30	734002	734003	734004	N/A	734006	734008	734009	734010	734011	734014	56.65	51.94	43.56

Mfr. P/N	AWG	Stranding	Yellow P/N	Green P/N	Violet P/N	Price
9928-100	28	7 x 34	N/A	234605	234607	\$12.95
9916-100	16	26 x 30	234004	N/A	234007	29.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

75Ω Standard Analog Video Cable RG59/U Type

22 AWG stranded (7 x 30) .030" bare copper

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 56.7pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .241" • Color: black

Part No.	Mfr. Part No.	Description	Price
232670	9259-1000-10	1000' reel	\$383.19
234070	9259-U500-10	500' unreel box	196.85

Broadband Coax (Headend/Video Cables)

20 AWG solid .031" bare copper

- Nominal capacitance 68.9pF/m • Color: black
- Nominal outer diameter: .305" • Nominal impedance: 75Ω
- 98% tinned copper double braid shield • Polyethylene insulation and jacket

Part No.	Mfr. Part No.	Description	Price
232961	8281-100-10	100' reel	\$87.05
232979	8281-500-10	500' reel	235.95
232987	8281-1000-10	1000' reel	469.95

20 AWG solid .032" solid bare copper

- Duofoil® +95% tinned copper braid shield
- Gas injected foam HDPE insulation and PVC jacket
- Nominal capacitance: 53.5pF/m • Nominal impedance: 75Ω
- Nominal outer diameter: .234"

Part No.	Mfr. Part No.	Description	Price
234086	1505A-100-10	100' reel (black)	\$52.59
234087	1505A-1000-10	1000' reel (black)	435.29

RG59 Type Security Coaxial Cable

20 AWG solid bare copper conductor

- 95% bare copper braid shield • Nominal impedance: 75Ω
- Foam polyolefin insulation and black UV resistant PVC jacket
- Impregnated with CoreGuard® flame retardant flooding compound
- Shielded or flooded for use in underground ducts
- Surveillance and CCTV applications • Color: black

Part No.	Mfr. Part No.	Description	Price
234160	543945-500-10	500' reel	\$81.65

Standard Analog Video Cable 75Ω Miniature Coax

27 AWG stranded (7x35) .017" bare copper-covered steel

- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 67.3pF/m • Color: black
- Nominal impedance: 75Ω • Nominal outer diameter: .100"

Part No.	Mfr. Part No.	Description	Price
234173	8218-U500-10	500' unreel box	\$217.09
234172	8218-U1000-10	1000' unreel box	295.95



Bus Bar Hook-Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.

- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Mfr. Part No.	Description	1	5	10
734165	8020-100	20 AWG, 100' reel	\$27.95	\$22.42	\$20.34
734166	8020-1000	20 AWG, 1000' reel	153.95	146.95	128.95



*Web Code: QCS



Paired Cable

*Web Code: HCS

Belden paired cables allow balanced signal transmission, which results in lower cross talk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables.

- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- Tinned copper drain wire
- Overall 100% BELDFOIL® shield (for shielded cables)

Audio, Control, and Instrumentation Cable Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- Paper wrap
- Black PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"

Part No.	Mfr. Part No.	No. of Pairs	Description	1	5	10
733112	8451-100-10	1	100' reel (black)	\$26.95	\$25.09	\$24.29
734063	8451-U500-10	1	500' unreel box (black)	126.05	114.32	103.87
733139	8451-1000-10	1	1000' reel (black)	200.99	190.48	184.90
734062	8451-U1000-10	1	1000' unreel box (blk)	253.95	215.86	190.46
234061	8451-U1000-10	1	1000' unreel box (blk)	202.85	Call	Call

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome

Part No.	Mfr. Part No.	No. of Pairs	Description	1	5	10
734180	8723-100-60	2	100' reel	\$38.95	\$36.31	\$35.16
734181	8723-1000-60	2	1000' reel	314.95	299.95	293.89
734184	8723-U500-60	2	500' unreel box	134.65	132.71	126.08

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Tinned copper, twisted pair
- Color: chrome
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.222"
- Polyethylene insulation with chrome PVC jacket

Part No.	Mfr. Part No.	No. of Pairs	Description	1	5	10
734185	8760-100-60	1	100' reel	\$41.99	\$38.99	\$35.99
234187	8760-U1000-60	1	1000' unreel box	279.45	Call	Call

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 79pF/m
- Color: chrome
- Nominal outer diameter: 0.175"

Part No.	Mfr. Part No.	No. of Pairs	Description	Price
234191	8761-U1000-60	1	1000' unreel box	\$271.49

Paired Line Level Analog Audio Cable

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Color: chrome
- Nominal outer diameter: 0.313"

Part No.	Mfr. Part No.	No. of Pairs	Description	Price
234063	8719-U1000-60	1	1000' unreel box	\$579.05



Paired Cable (Continued)

*Web Code: HCS

Paired Line Level Analog Audio Cable (Continued)

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Color: chrome
- Nominal outer diameter: 0.355"



Part No.	Mfr. Part No.	Pairs	Description	1	5	10
733172	8720-100-60	1	100' reel	\$69.99	\$65.99	\$60.99
234065	8720-U500-60	1	500' unreel box	416.99	Call	Call

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire

- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- Color: chrome
- Nominal outer diameter: 0.204"










Part No.	Mfr. Part No.	No. of Pairs	Description	Price
234196	8762-500-60	1	500' reel	\$146.05
234198	8762-U500-60	1	500' unreel box	137.79
234197	8762-U1000-60	1	1000' unreel box	335.45

High-Temperature Control, Instrumentation Cables and Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Semi-rigid PVC insulation
- Nominal DCR: 24Ω/m
- Nominal impedance: 75Ω
- Color: chrome



					
9502 Series		9503 Series		9504 Series	
Part No.	Mfr. Part No.	No. of Pairs	Description	Price	
234074	9502-U1000-60	2	1000' unreel box	\$159.95	
232506	9503-1000-60 	3	1000' reel	378.05	
234077	9503-U500-60 	3	500' unreel box	226.39	
734079	9505-U500-60 	5	500' unreel box	339.95	
734080	9505-U1000-60 	5	1000' unreel box	643.95	



Speaker Cables

*Web Code: JCS

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded
- Clear PVC jacket
- Parallel (1) tinned (1) bare
- PVC insulation



18 AWG Stranded (16 x 30)

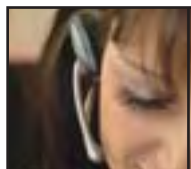
Part No.	Mfr. Part No.	Description	Price
734081	9708-U1000-368	1000' unreel box	\$349.95

14 AWG Stranded (19 x 27)

732603	9717-100-368	100' reel	\$78.59
233429	9717-500-368	500' reel	199.95
232611	9717-1000-368	1000' reel	379.95

12 AWG Stranded (65 x 30)

232629	9718-100-368	100' reel	\$64.99
232637	9718-500-368	500' reel	418.09
232645	9718-1000-368	1000' reel	616.19



We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Multi-Conductor & Ribbon Cable

Due to extraordinary copper market price fluctuations, cable and wire prices are subject to change.

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN



Multi-Conductor Cable

*Web Code: TCS

Multi-Conductor Audio, Control & Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199"
- Color: chrome

NEW
MARKED IN PINK



Part No.	Mfr. Part No.	Conductors	Description	1	5	10
733235	8771-100-60 R	3	100' reel	\$34.99	\$29.99	\$27.99
734067	8771-U1000-60 R	3	1000' unreel box	324.95	296.97	287.65

22 AWG stranded (7 x 30) unshielded

- PVC insulation
- Color: chrome



8442 Series



8443 Series



8444 Series



8445 Series

Part No.	Mfr. Part No.	Conductors	Description	1	5	10
732996	8442-100-60 R	2	100' reel	\$23.99	\$22.30	\$20.55
733008	8442-500-60 R	2	500' reel	95.95	91.09	86.03
733016	8442-1000-60 R	2	1000' reel	176.49	168.59	156.60
734055	8442-U500-60 R	2	500' unreel box	101.95	86.66	76.46
734054	8442-U1000-60 R	2	1000' unreel box	179.95	160.95	141.25
733024	8443-100-60 R	3	100' reel	32.79	30.99	29.47
733032	8443-500-60 R	3	500' reel	138.25	131.00	123.78
733059	8444-100-60 R	4	100' reel	42.99	37.34	31.94
733067	8444-500-60 R	4	500' reel	185.95	165.95	149.95
734059	8444-U500-60 R	4	500' unreel box	189.95	169.95	149.95
733075	8444-1000-60 R	4	1000' reel	319.95	306.95	293.95
233074	8444-1000-60 R	4	1000' reel	149.95	145.95	139.95
733083	8445-100-60 R	5	100' reel	53.59	48.65	41.81
734061	8445-U500-60 R	5	500' unreel box	232.95	218.60	211.65
234059	8445-U1000-60 R	5	1000' unreel box	374.65	353.75	328.19

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation & chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218"
- Color: chrome



Part No.	Mfr. Part No.	Conductors	Description	1	5	10
234253	8772-U500-60 R	3	500' unreel box	\$172.45	\$156.81	\$143.72

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246"
- Color: chrome



Part No.	Mfr. Part No.	Conductors	Description	1	5	10
733201	8770-100-60 R	3	100' reel	\$59.99	\$54.99	\$49.99
234082	8770-U1000-60	3	1000' reel	219.95	209.95	199.95

Kynar™ Wire-Wrap Wire – 30 AWG

*Web Code: NAC

- Assorted color coded insulation
- Color coded Kynar™ (Polyvinidene Fluoride) insulation
- Silver plated copper (solid conductor)
- Temperature: -40°C to +125°C
- Wire wrap tools, pg 145
- Used for prototyping
- UL 1423
- Passes UL VW-1 flame test
- See pg 67 for sockets



22542

Part No.	Color	100 ft.	Part No.	Color	1000 ft.
22542	Blue R	\$6.09	22551	Blue R	\$43.49
22577	Black R	6.99	22585	Black R	46.95
22631	Red R	6.29	22649	Red R	43.49
22665	White R	6.59	22673	White R	43.49
22606	Green R	6.29	22614	Green R	43.49
22700	Yellow R	6.09	22702	Yellow R	43.49

JAMECO ValuePro

Flat Ribbon Cable

*Web Code: WCF

JAMECO
EXCLUSIVE

- Standard 10-color repeat sequence
- Stranded copper wire
- Volt. rating: 300V
- Prepackaged and priced in increments listed below
- Center spacing: 0.05"
- Temp. rating: -20°C to +80°C; P/N 363813: 105°C



Multicolor Cable — 28AWG (7 x 36)

QUANTITY
SAVE

Part No.	Cross Ref. No.	Conductors	Length	1	25	50
639672	28RC10-10 R	10	10'	\$3.55	\$3.09	\$2.75
643508	28RC10-25 R	10	25'	10.19	9.15	8.25
643516	28RC10-100 R	10	100' reel	30.35	27.69	25.10
643532	28RC16-10 R	16	10'	5.25	4.99	4.75
643541	28RC16-25 R	16	25'	16.29	14.75	13.29
643575	28RC20-10 R	20	10'	8.25	7.75	7.25
643583	28RC20-25 R	20	25'	16.99	15.49	13.99
643591	28RC20-100 R	20	100' reel	64.85	60.50	54.00
643612	28RC25-10 R	25	10'	9.35	8.89	8.39
643621	28RC25-25 R	25	25'	22.99	21.84	16.38
643639	28RC25-100 R	25	100' reel	70.29	67.05	63.69
643655	28RC34-10 R	34	10'	10.99	10.49	9.99
643671	28RC34-100 R	34	100' reel	98.55	93.58	88.90
643698	28RC40-10 R	40	10'	15.49	13.99	12.49
643701	28RC40-25 R	40	25'	49.49	36.49	27.37
643719	28RC40-100 R	40	100' reel	114.25	97.10	96.45
643735	28RC50-10 R	50	10'	17.99	15.99	14.49
643743	28RC50-25 R	50	25'	49.95	45.95	39.95
643751	28RC50-100 R	50	100' reel	163.15	146.75	132.11

Gray Cable — 28AWG (7 x 36)

*Web Code: WBX

- Insulation: polyvinyl chloride (PVC)
- Single edge red stripe for pin 1 orientation



Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643794	171-10-10 R	10	10'	\$2.39	\$2.29	\$2.19
643807	171-10-25 R	10	25'	5.49	5.25	4.99
643815	171-10-100 R	10	100' reel	15.95	15.25	14.55
643831	171-16-10 R	16	10'	3.85	3.68	3.52
643840	171-16-25 R	16	25'	8.79	8.39	7.99
643858	171-16-100 R	16	100' reel	26.39	25.70	25.00
643874	171-20-10 R	20	10'	4.79	4.59	4.39
643882	171-20-25 R	20	25'	10.99	10.49	9.99
643891	171-20-100 R	20	100' reel	36.79	33.16	29.83
643911	171-25-10 R	25	10'	5.99	5.75	5.49
643920	171-25-25 R	25	25'	13.75	13.15	12.49
643938	171-25-100 R	25	100' reel	45.89	39.50	37.55
643962	171-26-10 R	26	10'	6.25	5.99	5.72
643971	171-26-25 R	26	25'	14.29	13.65	12.99
643989	171-26-100 R	26	100' reel	37.85	35.95	34.15
644033	171-34-10 R	34	10'	8.15	7.82	7.48
644041	171-34-25 R	34	25'	18.69	17.85	16.99
644050	171-34-100 R	34	100' reel	49.89	47.39	45.03
644076	171-37-10 R	37	10'	8.89	8.51	8.14
644084	171-37-25 R	37	25'	15.65	14.89	14.15
644092	171-37-100 R	37	100' reel	53.95	51.75	38.81
644113	171-40-10 R	40	10'	12.85	11.45	8.59
644121	171-40-25 R	40	25'	25.85	23.99	22.79
644130	171-40-100 R	40	100' reel	62.79	59.65	56.65
644156	171-50-10 R	50	10'	8.99	8.49	7.99
644164	171-50-25 R	50	25'	19.35	18.29	17.35
644172	171-50-100 R	50	100' reel	69.89	66.35	62.99
644199	171-60-10 R	60	10'	11.99	11.35	10.75
644201	171-60-25 R	60	25'	26.35	24.99	23.75
644210	171-60-100 R	60	100' reel	91.39	85.60	64.20

Gray Cable .100" (2.54mm) — 24AWG

- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Capacitance: 31pF/m
- Insulation resis.: 100MΩ



Part No.	Mfr.	Cross Ref.	Length	1	10	25
363813	Various	H24G-10-10 R	10'	\$10.79	\$10.19	\$9.59

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

UL 1430 Stranded Hook-Up Wire

- Temperature rating: 105°C
- Voltage: 300V
- 18/20 AWG
- Average wall thickness: 0.016
- Sold in 100' rolls

Blue Part No. = Limited Quantity Available

★ Web Code: FBU

Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
305015	18	Orange	7 x 26	0.082	2.083	\$19.95	\$17.95	\$15.95
304987	20	Gray	7 x 28	0.070	1.778	29.19	26.25	23.63



UL 1007 Stranded Hook-Up Wire

- Voltage: 300V
- 80°C
- PVC insulation
- CSA: TR-64
- Temperature range: -40°C to +80°C
- Sold in 100' rolls

JAMECO EXCLUSIVE

★ Web Code: JAS

Part No.	Cross Ref.	AWG	Color	1	5	10
126085	UL1007-22-BK-C	22 (7x30)	Black	\$4.95	\$4.59	\$3.95
126034	UL1007-22-RD-C	22 (7x30)	Red	4.95	4.59	3.95
126077	UL1007-22-WH-C	22 (7x30)	White	8.95	7.95	6.95
310852	UL1007-22-GR-C	22 (7x30)	Green	8.95	7.95	6.95
310878	UL1007-22-YL-C	22 (7x30)	Yellow	8.95	7.95	6.95
125840	UL1007-20-BK-C	20 (10x30)	Black	10.95	9.95	8.95
125795	UL1007-20-RD-C	20 (10x30)	Red	10.95	9.95	7.45
125831	UL1007-20-WH-C	20 (10x30)	White	10.95	9.95	8.95
310894	UL1007-20-GR-C	20 (10x30)	Green	10.95	9.95	8.95
310915	UL1007-20-YL-C	20 (10x30)	Yellow	10.95	9.95	8.95
310922	UL1007-20-BL-C	20 (10x30)	Blue	10.95	9.95	7.45
125787	UL1007-18-BK-C	18 (16x30)	Black	13.95	12.95	11.95
125736	UL1007-18-RD-C	18 (16x30)	Red	13.95	12.95	11.95
125752	UL1007-18-WH-C	18 (16x30)	White	13.95	12.95	11.95
310932	UL1007-18-GR-C	18 (16x30)	Green	13.95	12.95	10.95
310949	UL1007-18-YL-C	18 (16x30)	Yellow	13.95	10.46	9.42
310958	UL1007-18-BL-C	18 (16x30)	Blue	13.95	12.95	9.95



Solid Hook-Up Wire – 22 AWG

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test
- MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 157

★ Web Code: PAF

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
36768	122BE/C	Blue	\$7.05	36776	122BE/K	Blue	\$65.35
36792	122BK-R/C	Black	6.59	36805	122BK/K	Black	49.99
36822	122G-R/C	Green	6.99	36840	122G/K	Green	54.49
36856	122R/C	Red	8.15	36864	122R/K	Red	52.49
36881	122W-R/C	White	7.09	36899	122W/K	White	54.45
36920	122Y/C	Yellow	6.59	36928	122Y/K	Yellow	49.99



Twisted Paired Cable – 24 AWG

- PVC insulation
- Use for hook-up wire
- Stranded tinned wire (7 x 32)
- Reduced EMI
- 80°C
- 300 V

★ Web Code: EBC

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
173164	224BW/C	Black/white	\$9.89	173172	224BW/K	Black/white	\$69.95
105912	224GW/C	Grn/white	8.79	105807	224GW/K	Grn/white	69.95
173148	224RW/C	Red/white	9.89	173156	224RW/K	Red/white	76.95



Bonded-Pair Cable Prep Tool

The bonded-pair cable preparation tool make it faster and easier to prepare cables for connector termination. This tool is ideal for use with Belden's IBDN's DataTwist® 350 bonded pair cables, providing special features that help separate twisted pairs. It can also be used to prepare any unbonded-pair cable for installation.



Part No.	Mfr. Part No.	Description	1	25	50
1941241	1797B009	Bonded-pair cable prep tool	\$10.45	\$8.88	\$7.84

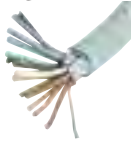
Multiconductor Shielded Computer Communication Cable – 24 AWG

JAMECO ValuePro

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V
- Color: gray
- 24 AWG (7 x 32 AWG)
- Prepackaged and priced in increments listed below

JAMECO EXCLUSIVE

★ Web Code: JCG



Part No.	Cross Ref. No.	Conductors	Diameter	Length (ft.)	1	25
644391	SC4-100	4	0.20"	100	\$24.95	\$22.49
644404	SC4-1000	4	0.20"	1000	176.39	167.57
644412	SC9-25	9	0.23"	25	14.95	12.95
644421	SC9-100	9	0.23"	100	43.49	39.95
644439	SC9-1000	9	0.23"	1000	373.55	354.92
644447	SC15-25	15	0.28"	25	27.45	23.95
644455	SC15-100	15	0.28"	100	61.69	54.95
644463	SC15-1000	15	0.28"	1000	515.99	386.99
644471	SC25-25	25	0.37"	25	26.65	20.03
644480	SC25-100	25	0.37"	100	89.95	84.95

JAMECO ValuePro

Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- 7 x 43 stranded
- PVC jacket

★ Web Code: LCG

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644674	300-840SL-1000	4	1000	\$51.99	\$47.81	\$43.95
644691	300-860SL-100	6	100	8.99	8.10	7.31
644703	300-860SL-1000	6	1000	67.55	63.95	58.95

JAMECO ValuePro

Category 5e/5 Network Cable

- 4 twisted pairs
- Nominal OD: 0.189"
- Insulation: polyethylene
- Nominal impedance: 100Ω
- UTP

Solid: uses modular plug P/N 119343, pg 51
Stranded: uses modular plug P/N 79281, pg 51

24 AWG UTP Category 5 Enhanced – 350MHz

★ Web Code: KCG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644551	10X5-701TH-100	Solid	Gray	100	\$15.95	\$14.49
644560	10X5-701TH-1000	Solid	Gray	1000	115.95	104.95
645731	10X5-704TH-1000	Solid	Blue	1000	115.95	104.95
644586	10X5-801TH-100	Stranded	Gray	100	25.89	23.32
644594	10X5-801TH-1000	Stranded	Gray	1000	199.99	179.99
644615	10X5-804TH-100	Stranded	Blue	100	29.95	26.95
644623	10X5-804TH-1000	Stranded	Blue	1000	209.95	199.49
645765	10X5-805TH-1000	Stranded	Red	1000	191.99	172.79
645790	10X5-802TH-1000	Stranded	Black	1000	175.95	143.99

24 AWG UTP Category 5 – 100MHz

- 7/32 AWG

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631	GTP501-4P-GR-25	Stranded	Gray	25	\$7.15	\$6.49
644640	GTP501-4P-GR-100	Stranded	Gray	100	24.95	22.49

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

BELDEN Enhanced Category 5e Cable

DataTwist® 5e+ UTP cable is engineered specifically to perform well beyond Cat 5e requirements per ANSI/TIA/EIA-568-B.2. Performance is guaranteed to 350MHz. This is the next generation of cable technology providing performance headroom, allowing the structured cabling system to deliver performance even when unforeseen circumstances arise.

PVC Jacket (CM) – Non-Plenum

Part No.	Mfr. Part No.	Color	Length (ft.)	1	5	10
1942032	1500A0061000	Light blue	1000' reel	\$170.15	\$160.72	\$152.61
1942059	1500A0091000	White	1000' reel	170.15	160.72	152.61

Flamarrest Jacket (CMP) – Plenum

Part No.	Mfr. Part No.	Color	Length (ft.)	1	5	10
1942104	15AD151000	Blue	1000' reel	\$341.25	\$322.29	\$305.19
1942121	15A0091000	White	1000' reel	341.25	322.29	305.19

DataTwist® 350 provides the user with superior electrical performance both "on-the-reel" and in the wall. Ensures superior installable performance by utilizing the patented bonded pair design. They exceed the full range of industry performance criteria, both electrically and physically. Datatwist 350 Enhanced Category 5e cable sets a new precedent for cabling with confidence.

PVC Jacket (CM) – Non-Plenum

Part No.	Mfr. Part No.	Color	Length (ft.)	1	5	10
1941857	1700A0061000	Light blue	1000' reel	\$196.39	\$171.49	\$157.21
1941881	1700A0091000	White	1000' reel	196.95	175.95	169.95

Flamarrest Jacket (CMP) – Plenum

Part No.	Mfr. Part No.	Color	Length (ft.)	1	5	10
1941945	1701AD151000	Blue	100' reel	\$357.69	\$319.67	\$309.81
1941970	1701A0091000	White	1000' reel	410.69	387.84	364.29

*Web Code: LEL

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

*Web Code: VAL

JAMECO EXCLUSIVE

Part No.	Cross Ref. No.	Length	1	10	25
100280	224BK/C	100'	\$7.95	\$7.25	\$6.49
100299	224BK/K	1000'	51.99	46.69	41.25

JAMECO ValuePro RG Type Bulk Coaxial Cable

- For ethernet, oscilloscopes

RG58/U & RG58A/U (50Ω):

- Nominal capacitance: 27pF/ft.; center resistance: 10.4Ω/1000ft. @ 77°F

RG174/U (50Ω):

- Nominal capacitance: 30.8pF/ft.; center resistance: 97Ω/1000ft. @ 77°F

Part No.	Cross Ref. No.	Type	Description	Length	1	25	50
644754	RG58/U-100	RG58/U	20 AWG solid	100'	\$14.39	\$13.67	\$12.95
644762	RG58/U-1000	RG58/U	20 AWG solid	1000'	130.19	110.66	97.64
644771	10X1-041TH-100	RG58A/U	20 AWG stranded	100'	23.75	22.49	21.35
644789	10X1-041TH-1000	RG58A/U	20 AWG stranded	1000'	187.49	178.19	169.19
644797	RG59/U-100	RG59/U	22 AWG solid	100'	16.05	13.64	12.04
644800	RG59/U-1000	RG59/U	22 AWG solid	1000'	90.89	90.50	89.99
644818	RG174/U-100	RG174/U	26 AWG stranded	100'	23.75	20.19	15.14
644826	RG174/U-1000	RG174/U	26 AWG stranded	1000'	327.95	311.55	233.65

10' Fiber Optic Cable

- 1000µm core jacketed plastic fiber optic cable (10')

Part No.	Mfr. Part No.	1	10
171272	IF-C-E1000	\$7.45	\$6.69

*Web Code: QAA

Computer Cables

Disk Drive & SCSI Cables



32918: 34-pin header socket ribbon cable for floppy to card

185076: 40-pin IDE hard drive cable to card

32715: 50-pin header socket ribbon cable SCSI-I

Part No.	Length	1	10	100
32918	23"	\$0.58	\$0.53	\$0.47
185076	14"	2.95	2.49	1.95
32715	18" (Jameco VP)	4.29	3.68	2.76

*Web Code: TAE

AT/ATX Power Supply Extension Cable

- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply

Part No.	Length	AWG	1	10	100
170238	15'	18	\$8.95	\$7.95	\$6.95

PS/2 Adapter Cables

6-pin mini DIN

177261: Male to male non-coiled cable for P/N 79177 switch box (see web)

174772: Male to male

174908/205655:

Male to male non-coiled

28549/111053: Female to male non-coiled

112628: Male to male non-coiled cable for P/N 79177 switch box (see web)

Part No.	Length	Color	1	10	50
177261	2'	Gray	\$1.95	\$1.75	\$1.55
174772	6'	Black	3.95	2.95	2.49
174908	6' ⊕	Gray	5.75	5.15	4.65
28549	6'	Beige	4.75	4.35	3.95
111053	10' ⊕	Beige	5.49	4.99	4.39
112628	10' ⊕	Beige	7.95	7.25	5.95
205655	25'	Beige	8.95	7.95	5.96

*Web Code: HAE

Macintosh® Printer and Keyboard Cables



Part No.	Mfr.	Description	1	10	50
10604	Jameco VP	6' DIN8M	\$3.95	\$3.49	\$3.05
130025	Jameco VP	10' DIN8M	5.99	5.09	4.49
1944994	Various	40" DIN8M w/ EMI	2.95	2.49	2.25

Serial Null Modem Cables

- Molded type connectors
- Color: gray

181404/180698 Pin outs:

1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7

181438 Pin outs: 2-2; 3-3; 5 & 20-6 & 8 (Serial printer null modem)

180582 Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)

180742 Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8

Part No.	Mfr.	Description	1	10	50
181404	Jameco VP	6' DB9 F to DB9 F	\$5.69	\$5.09	\$4.59
180698	Jameco VP	10' DB9 F to DB9 F	6.79	6.09	5.49
181438	Various	6' DB25 M to DB9 F	5.95	5.49	4.95
180582	Jameco VP	10' DB25 M to DB9 F	6.69	6.05	5.45
180742	Jameco VP	10' DB25 F to DB9 F	7.39	6.65	4.99

3.5" & 5.25" Disk Drive Power Splitters and Adapters

- IBM PC/XT and higher compatibles

28354/277528/72304:

Splits 4-line Molex male into 2 females

28397: 4-line Molex male to female

Part No.	Drive	AWG	Length	1	10	100
28354	5.25"	18	5'	\$3.15	\$2.67	\$2.04
277528	5.25"	20	6'	1.95	1.75	1.49
72304	3.5"	22	5'	4.29	3.90	2.95
28397	3.5"	22	3.5'	4.95	3.95	2.95

*Web Code: OAE

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RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

Part No.	Description	1	10	100
162915	DB9 male to DB9 female	\$.55	\$.50	\$.446

DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors

Part No.	Description	1	10	100
109584	1' serial, beige	\$3.49	\$2.95	\$2.49
189333	3' serial, beige	3.95	3.39	2.55
31722	6' serial, beige	4.95	4.49	3.95
1945575	6' serial, gray	4.49	3.95	2.95
155522	10' serial, beige	5.95	4.95	4.25

Ribbon Cable Assemblies

- Metal connector
- 105°C rating
- 28 AWG flat cable • 300V rating
- Tin-plated contacts

Part No.	Description	1	10	100
12408	4' DB25 M-F	\$5.25	\$4.46	\$3.49
208582	6' DB9 M-F (Jameco VP)	4.99	4.49	3.99

DB25-to-Centronics Parallel Printer Cable

- 155352: USB-A Male to 36-pin Male Centronics
- Full compliance with USB spec Ver. 1.
- Applicable to standard and bidirectional printers
- 28716: DB25 Male to 36-pin Male Centronics
- IBM PC/XT and higher compatibles

Part No.	Description	1	10
155352	6' 36-pin Centronics to USB	\$12.95	\$11.49
28716	6' 36-pin Centronics to DB25	4.95	4.49

USB-to-DB9 Serial Adapter

- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kpbs data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

Part No.	Description	1	10
387954	USB-A to DB9	\$18.95	\$16.95

RGB Video Cable

- 75Ω coaxial cable
- Length: 6'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- 5 BNCs to HDDB15-pin male • Color: black

Part No.	Description	1	10	25
73648	RGB video cable	\$19.95	\$16.96	\$12.74

Computer Cables

132346	134042	66174	67257	181295
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Extension Cables

- All lines connected straight through

Part No.	Description	Length (ins.)	Color	1	10	100
2075971	DB9 male-to-female w/ thumbscrews & filter, w/ green connectors	6	Black	\$4.49	\$3.95	\$3.49
199639	DB9 male-to-female w/ thumbscrews	6	Black	5.25	4.59	4.06
25701	DB9 male-to-female w/ thumbscrews	6	Beige	7.19	6.19	4.79
148516	DB9 male-to-female w/ thumbscrews	10	Beige	7.99	7.25	6.39
181666	DB9 male-to-male	10	Beige	7.45	6.67	5.97
181286	DB15 male-to-male	6	Gray	6.59	5.94	5.34
181359	DB15 male-to-female	6	Gray	5.49	4.95	4.45
134042	HDDB15 male w/ thumbscrews to female w/ hex nuts	6	Beige	4.95	4.55	3.95
66165	HDDB15 male-to-female w/ thumbscrews	6	Beige	7.95	6.95	6.09
148532	HDDB15 male-to-female w/ thumbscrews	10	Beige	8.95	7.95	6.59
66174	HDDB15 male-to-male	6	Beige	7.79	7.07	6.35
148523	HDDB15 male-to-male	10	Beige	6.35	5.69	5.15
174001	DB25 male-to-male w/ thumbscrews	3	Black	5.09	4.61	4.12
401138	DB25 male-to-male w/ thumbscrews	3	Gray	6.39	6.12	5.75
65788R	DB25 male-to-male w/ thumbscrews	6	Gray	7.79	7.07	6.35
39538	DB25 male-to-male w/ thumbscrews	10	Gray	6.95	6.29	5.04
179979	DB25 male-to-male w/ thumbscrews	15	Gray	7.49	6.99	6.49
67070	DB25 male-to-male w/ thumbscrews	25	Gray	10.95	9.95	8.92
180435	DB25 male-to-male w/ thumbscrews	50	Gray	16.15	14.55	11.65
164291	DB25 male-to-female w/ thumbscrews	3	Gray	4.75	4.29	3.89
175291	DB25 male-to-female w/ thumbscrews	3	Black	3.75	3.29	2.89
67257	DB25 male-to-female w/ thumbscrews	6	Gray	8.55	7.65	6.95
39511	DB25 male-to-female w/ thumbscrews	10	Gray	7.95	7.49	6.99
177279	DB25 male-to-female w/ thumbscrews	15	Gray	9.95	8.95	7.95
101996	DB25 male-to-female w/ thumbscrews	25	Gray	12.49	11.49	10.49
181201	DB25 male-to-female w/ thumbscrews	50	Gray	20.99	17.65	13.25
224267	DB25 female-to-female w/ thumbscrews	6	Gray	9.35	8.45	6.75
181295	DC37 male-to-female	6	Gray	5.95	5.06	3.80

Serial Cables

132346	DB9 female-to-female w/ thumbscrews	6	Beige	\$4.95	\$4.49	\$3.95
196366	DB9 female-to-female w/ thumbscrews	10	Beige	7.45	6.67	5.97

Monitor Cable

66157	DB9 male-to-male w/ thumbscrews	6	Beige	\$5.15	\$4.58	\$3.44
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IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters max. length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends.

- Color: gray

Part No.	Description	1	10	25
73155	1 meter	\$39.95	\$35.95	\$31.95
115782	2 meter	41.95	36.95	32.95
115802	4 meter	45.95	39.06	34.46

USB-A Cable w/ Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors • 8" long

Part No.	Description	1	10	25
144813	Female panel mount	\$4.25	\$3.75	\$3.25

High Speed USB Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.

- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode • Length: 16 ft.

Part No.	Product No.	Description	1	10
1919174	10U2-24116	Extender cable	\$18.95	\$17.95

USB Gender Adapter

- USB-A female to USB-A female
- Dimensions: 1.5"L x 0.7"W

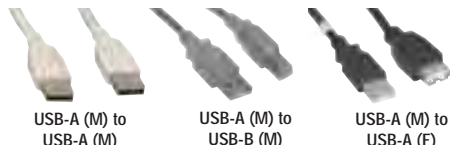
Part No.	Description	1	10	25
316806	USB-A female	\$2.95	\$2.49	\$2.25

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JAMECO ValuePro

USB 2.0 Cables



- Higher transfer rate up to 480Mbps
- Backward compatible with USB 1.1 products

QUANTITY SAVE

★ Web Code: NAV

USB-A Male to USB-A Male

Part No.	Description	1	10	25
326474	3' cable beige	\$2.39	\$2.15	\$1.62
229682	6' cable beige	2.75	2.49	2.25
222033	6' cable black	1.79	1.65	1.49
229690	10' cable beige	3.95	3.49	2.95
222050	15' cable black	2.85	2.59	2.49
229577	15' cable clear	3.45	3.11	2.34

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711	3' cable beige	\$1.65	\$1.45	\$1.35
222608	3' cable black	1.55	1.39	1.29
229585	3' cable clear	1.85	1.79	1.39
229730	6' cable beige	1.65	1.49	1.39
222010	6' cable black	1.65	1.49	1.39
229594	6' cable clear	1.89	1.71	1.60
229738	10' cable beige	2.09	1.93	1.82
222018	10' cable black	2.35	2.19	2.05
229607	10' cable clear	2.29	1.95	1.75
229762	15' cable beige	2.85	2.49	2.25
222026	15' cable black	2.85	2.49	2.25
229614	15' cable clear	3.15	2.81	2.16

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326482	3' cable beige	\$1.55	\$1.39	\$1.29
229771	6' cable beige	1.99	1.75	1.32
222068	6' cable black	1.99	1.79	1.67
229623	6' cable clear	1.99	1.79	1.67
229789	10' cable beige	2.15	1.90	1.80
222076	10' cable black	2.69	2.40	2.16
229797	15' cable beige	2.95	2.77	2.63
222084	15' cable black	3.55	3.24	3.11
229649	15' cable clear	2.89	2.75	2.69

USB-A Male to Mini, 5-Pin

- For use w/ digital cameras, memory card readers, etc.



Part No.	Product No.	1	10
673694	6' cable black	\$2.75	\$2.35

JAMECO ValuePro

DVI Cables

Digital Video Interface (DVI) provides a high-speed digital connection for visual data types that are display technology independent. The DVI specifications meet the needs of all segments of the PC industry and will enable these different segments to unite around one monitor interface standard.



★ Web Code: EEM

1944257: DVI male analog to HD15 male VGA

320346/1944265: DVI male digital to DVI male digital

Part No.	Description	1	10	25
1944257	DVI to VGA 2 meters	\$14.95	\$13.49	\$11.95
320346	Single link 2 meters	9.95	8.95	7.95
1944265	Dual link 3 meters	17.99	15.29	13.49

USB Link Adapters

- Easy file sharing and data transfer between PCs via USB
- Length: 6 ft.
- Full compliance with USB specification V1.1 and 2.0
- Supports two-way data transfer
- Supports suspend & resume power management

1944556

1944548

1944556: Vista for Easy File Transfer

- designed to work with Windows Easy Transfer, a new feature on Windows® Vista.
- Supports data transfer up to 480Mbps

Requirements: Intel® Pentium® 1GHz or faster, 128MB RAM or higher, USB 2.0 port, Windows® XP/Vista

1944548: Host to Host for Easy File Sharing

- Suitable for mobile PC and SOHO environment
- High speed performance with data transfer rate of over 15Mbytes/sec.

Requirements: Pentium® 233MHz or faster, 64MB of RAM, USB 2.0 port, Windows® 98SE/ME/2000/XP

Part No.	Cross Ref.	1	10
1944556	AN2230	\$22.99	\$19.95
1944548	AN2210	22.95	19.95

USB 2.0 Active Repeater Cable

This is an active repeater cable and not a passive extension cable for connecting USB devices to your computer.

The repeater cable regenerates the USB signal for maximum reliability and performance over extended distances at maximum transfer rates of 480Mbps.

- Repeater cable length: 5m (16.4 ft.)
- Cascaded up to 5 to extend distance to 25m (81 ft.) between USB device and computer
- Regenerate the USB signal for maximum reliability and performance over extended distances

Requirements: Desktop or laptop with available USB port, Windows® 98SE/ME/2000/XP/Mac X

Part No.	Cross Ref.	1	10
2075840	AR2500	\$14.65	\$13.99

JAMECO ValuePro

IEEE Firewire Cables



- IEEE-1394 compliant
- UL approved
- Length: 6'
- Male to male

★ Web Code: FAE

Clear

Part No.	Cross Ref.	Description	1	10	25
1943633	10E4-940-06-C	9-pin/4-pin	\$16.19	\$14.95	\$13.49
1944126	10E4-960-06-C	9-pin/6-pin	16.19	14.95	13.49
1944134	10E4-991-06-C	9-pin/9-pin	17.49	15.95	14.49

Black

Part No.	Cross Ref.	Description	1	10	25
175848	10E3-01106-R	6-pin/6-pin	\$5.59	\$5.05	\$4.55

Save up to 50% on over a hundred clearance items by visiting www.Jameco.com/Save.

JAMECO ValuePro

HDMI Cables & Adapters

High definition multimedia interface (HDMI) is the industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.



Male to Male

Part No.	Cross Ref.	Description	1	10	25
1944142	10HM-01128-01	1 meter	\$14.45	\$13.29	\$12.25
1944151	10HM-01128-02	2 meters	15.49	14.25	13.20
1944169	10HM-01128-05	5 meters	21.95	18.95	16.95

★ Web Code: DEM

Male to DVI-D Single Link

1944177	10HM-15128-01	1 meter	\$12.95	\$11.95	\$10.95
1944185	10HM-15128-02	2 meters	13.59	12.45	10.95
1944193	10HM-15128-05	5 meters	19.95	17.95	16.95

HDMI to DVI Video Adapters

1944206	30HM-15228-MO	HDMI M/DVI F	\$15.95	\$14.95	\$13.95
1944214	30HM-15328-MO	HDMI F/DVI M	15.95	14.95	13.95

HDMI Gender Changers

1944222	30HM-01100	M to M	\$8.99	\$8.49	\$7.99
1944231	30HM-01200	F to M	8.99	8.49	7.99
1944249	30HM-01400	F to F	8.99	8.49	7.99

JAMECO ValuePro

Category 6 Network Cables

- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

★ Web Code: BBK

QUANTITY SAVE

Part No.	Length	Color	1	10	50
219707	3 ft.	Gray	\$2.39	\$1.90	\$1.54
219715	7 ft.	Gray	3.99	3.49	2.95
219723	14 ft.	Gray	6.59	5.95	5.49
219731	25 ft.	Gray	9.95	8.95	7.95
219740	50 ft.	Gray	13.49	12.39	10.59
219854	3 ft.	Blue	2.79	2.39	1.78
219862	7 ft.	Blue	3.99	3.39	2.99
219871	14 ft.	Blue	6.05	5.45	5.05
219889	25 ft.	Blue	8.59	7.94	6.92
219897	50 ft.	Blue	12.89	11.76	10.03
220003	3 ft.	White	2.79	2.39	1.79
220011	7 ft.	White	2.95	2.59	2.35
219900	3 ft.	Red	2.79	2.39	1.79
219918	7 ft.	Red	3.99	3.49	2.95
219934	25 ft.	Red	8.59	7.94	5.95
219942	50 ft.	Red	13.65	11.76	10.88
219803	3 ft.	Green	2.79	2.37	1.78
219811	7 ft.	Green	3.99	3.49	2.49
219820	14 ft.	Green	6.59	5.60	4.20
219766	7 ft.	Black	2.95	2.59	2.35
219774	14 ft.	Black	5.49	5.19	4.89
219782	25 ft.	Black	8.59	7.30	6.44
219969	7 ft.	Yellow	3.99	3.49	2.95
219993	50 ft.	Yellow	16.99	14.35	12.44

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Category 5e Network Cables

- UTP • 350 MHz
- 8P8C • 4 pair
- 24 AWG (7 x 43) stranded
- Color coded for easy wire tracing
- "Snagless" boot
- High-flexibility

QUANTITY SAVE

***Web Code: CAE**

Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	\$1.79	\$1.49	\$1.12
168305	7 ft.	Gray	3.59	3.11	2.87
168313	15 ft.	Gray	7.49	6.23	5.62
168321	25 ft.	Gray	6.95	6.25	5.59
201777	3 ft.	Red	1.79	1.49	1.39
201785	7 ft.	Red	3.49	3.00	2.77
201793	15 ft.	Red	2.89	2.60	2.35
201806	25 ft.	Red	9.59	8.15	6.11
201697	3 ft.	Black	1.79	1.49	1.39
201700	7 ft.	Black	3.49	3.00	2.77
201718	15 ft.	Black	7.49	5.23	5.09
201726	25 ft.	Black	9.59	8.15	7.67
201734	3 ft.	Blue	1.79	1.49	1.39
1945381	5 ft.	Blue	2.49	1.95	1.25
201742	7 ft.	Blue	3.59	3.11	2.87
1945401	10 ft.	Blue	4.95	3.95	2.25
201751	15 ft.	Blue	7.49	6.23	5.62
201769	25 ft.	Blue	6.95	5.65	4.95
201814	3 ft.	Yellow	1.79	1.49	1.39
1945372	5 ft.	Yellow	2.49	1.95	1.25
201822	7 ft.	Yellow	3.95	3.59	3.11
1945399	10 ft.	Yellow	4.95	3.95	2.95
201831	15 ft.	Yellow	7.49	6.23	5.67
201849	25 ft.	Yellow	8.15	6.93	5.20

Cat 5e/6 Network Crossover Cables

***Web Code: CAE**

QUANTITY SAVE

Part No.	*Mfr.	Length	Description	1	10	100
681109	+	3 ft.	Cat 5e gray ...	\$2.95	\$1.95	\$9.99
302041	JVP	7 ft.	Cat 5e gray	3.75	3.39	2.54
681117	+	7 ft.	Cat 5e gray	3.25	2.95	2.75
685812	+	7 ft.	Cat 5e yellow	2.95	1.95	1.25
169261	JVP	10 ft.	Cat 5e gray	6.95	6.25	5.59
681096	+	7 ft.	Cat 6 Gray	4.95	3.95	2.95

"EZ" RJ45 Connector

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

Part No.	*Mfr.	Part No.	1	10	100	250
158115	RJ45 (8P8C)	R	\$1.75	\$1.58	\$1.42	\$1.25

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.

Part No.	*Mfr.	Part No.	1	10	25
181148	HT200	R	\$54.95	\$49.49	\$44.55

◆ Product requires one to two additional days to ship. Request "ship partial" if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* AMP = AMP | FST = FutureSmart | GCE = GC Electronics | JVP = Jameco ValuePro | ◆ Manufacturer Varies

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

Modular Plugs

P = No. of positions
C = No. of contacts
W/E = Western Electric type number

***Web Code: FBB**

QUANTITY SAVE

Part No.	Description	Size (L" x W" x H")	W/E	1	10	100	1000
103491	4P4C (RJ14) handset	.485 x .30 x .26	616	*	\$.132	\$.117	\$.088
79290	6P4C (RJ11)	.487 x .38 x .26	623	*	.142	.117	.088
79273	6P6C (RJ11)	.487 x .38 x .26	623	.25	.22	.195	.18
79281	8P8C (RJ45) (for stranded wire)	.845 x .46 x .31	641	.28	.25	.225	.202
119343	8P8C (RJ45) unshielded (for solid wire)	.845 x .46 x .31	—	.45	.424	.338	.264
116611	8P8C (RJ45) shielded	.866 x .46 x .33	—	1.09	.99	.89	.79
116602	8P8C (RJ45) shielded (for solid wire)	.845 x .46 x .31	—	.99	.79	.65	.49
180646	10P10C (RJ50) for stranded wire	.849 x .46 x .31	—	.49	.44	.40	.36

***Web Code: NEL**

QUANTITY SAVE

Part No.	*Mfr.	Description	Panel	Size (L" x W" x H")	1	10	100
115128	JVP	4P4C (RJ14) handset side entry, center latch	No	.512 x .395 x .57	\$.45	\$.40	\$.35
2077781	JVP	6P4C (RJ11) side entry, center latch	No	.717 x .512 x .45	.49	.45	.39
2077221	+	6P6C (RJ11) side entry, front latch, PCB ground	Yes	.734 x .553 x .58	.79	.69	.59
115837	JVP	6P6C (RJ11) side entry, center latch	Yes	.509 x .480 x .57	.81	.74	.65
151766	JVP	6P4C (RJ11) side entry, center latch	Yes	.803 x .519 x .59	.55	.46	.35
204178	JVP	6P6C (RJ11) dual entry, center latch	Yes	.617 x 1.10 x .60	1.49	1.35	1.01
124039	JVP	6P6C (RJ11) top entry, 6" leads, panel mount	Yes	.543 x .585 x .72	1.25	1.15	.99
115844	JVP	8P8C (RJ45) side entry, center latch	No	.529 x .588 x .57	.56	.51	.47
2078240	JVP	8P8C (RJ45) side entry, center latch	Yes	.808 x .598 x .59	.89	.75	.59
203449	JVP	8P8C (RJ45) side entry, center latch, shielded	No	.839 x .633 x .53	1.39	1.25	1.09
204215	JVP	8P8C (RJ45) side entry, center latch, low profile	No	.811 x .598 x .50	1.05	.94	.85
524461	AMP	8P8C (RJ45) side entry, front latch, low profile	No	.719 x .605 x .50	.60	.59	.55
958366	AMP	8P8C (RJ45) side entry, front latch, low profile	No	.719 x .605 x .50	.64	.61	.60
2078258	JVP	8P8C (RJ45) side entry, center latch, low profile	No	.709 x .596 x .46	.65	.59	.49
2078266	JVP	8P8C (RJ45) side entry, front latch, low profile	No	.680 x .589 x .49	.69	.65	.55
1537416	JVP	8P8C (RJ45) side entry, front latch low profile	Yes	.717 x .597 x .50	.59	.45	.35
524488	AMP	8P8C (RJ45) top entry, top latch	No	.655 x .615 x .63	.62	.59	.57
2077790	JVP	8P8C (RJ45) top entry, bottom latch	Yes	.638 x .606 x .62	.65	.55	.45

RS-232-to-RJ11/RJ45 Modular Jack Adapters



***Web Code: RDR**

Simply networking applications when changing your RS-232 port to an RJ11 or RJ45 modular jack. Comes with all necessary hardware and wiring.

Part No.	*Mfr.	Description	1	10	100
66181	JVP	DB9 M to RJ11 (6P6C)	\$2.59	\$2.35	\$2.09
66191	JVP	DB9 M to RJ45 (8P8C)	2.89	2.65	2.35
614977	GCE	DB9 M to RJ45 (8P8C)	3.35	2.84	2.13
114738	JVP	DB9 F to RJ11 (6P4C)	2.35	2.15	1.91
66203	JVP	DB9 F to RJ11 (6P6C)	2.79	2.55	2.29
66212	JVP	DB9 F to RJ45 (8P8C)	2.99	2.69	2.45
615005	GCE	DB9 F to RJ45 (8P8C)	2.45	2.31	1.96
66229	JVP	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99
66237	JVP	DB25 M to RJ45 (8P8C)	1.85	1.66	1.50
615021	GCE	DB25 M to RJ45 (8P8C)	7.39	6.65	5.97
66254	JVP	DB25 F to RJ45 (8P8C)	2.89	2.59	2.29

Keystone-Type RJ11 & RJ45 Jacks

Modular Punchdown Type

- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 1.23"D x 0.63"H

***Web Code: MBV**

Part No.	*Mfr.	Description	Color	1	10	100
213517	+	6P6C (RJ11)	White	\$2.95	\$2.49	\$1.95
615048	GCE	8P8C (RJ45)	Black	4.95	4.49	5.05
195630	+	8P8C (RJ45)	Black	2.95	2.49	1.95
212944	+	8P8C (RJ45)	White	2.95	2.49	1.95
636130	FST	8P8C (RJ45)	Almond	2.95	2.49	1.95

Keystone-Type Wall Plate

- Size: 2.8"W x 4.5"H

***Web Code: RBH**

Part No.	No. of ports	Color	1	10	100
636965	1	Almond	1.29	\$1.21	\$.91

***Plug Cap Available Online — Enter Web Code JBG**



Modular Couplers and Adapters



Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"



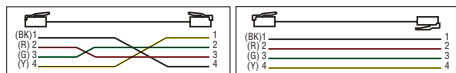
Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

JAMECO EXCLUSIVE

* Web Code: XAH

Style 1 Reverse wiring for telephone systems

Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
71757	6P6C modular coupler, Style 1, RJ11	1	\$1.05	\$.89	\$.79
135087	6P6C modular coupler, Style 2, RJ11	1	1.09	.93	.70
118501	8P8C modular coupler, Style 1, RJ45	1	1.85	1.75	1.55
135079	8P8C modular coupler, Style 2, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, Style 2 (for CAT 5) RJ45	2	7.99	6.79	5.99



Modular Jack Boxes

Fig. 1
W: 2.0"
H: 2.2"
D: 0.9"



Fig. 2
W: 1.5"
H: 2.4"
D: 1.1"



Fig. 3
W: 2.4"
H: 2.4"
D: 1.1"

* Web Code: UAM

Part No.	Description	Fig.	1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	\$1.39	\$1.19	\$1.09
71984	6P6C adhesive jack RJ11 (beige)	1	1.39	1.19	.99
71651	8P8C adhesive jack RJ45 (beige)	1	1.39	1.25	1.13
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	2	3.49	2.99	2.69
213049	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	4.55	3.87	2.90



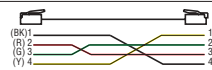
Modular Telephone/Printer Sharing Cables (Gray)

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use

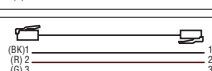


QUANTITY SAVE
Low Cost Data/Phone Cables

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



* Web Code: EBF

Part No.	Conn. Style	Type	Length	Pricing		
				1	10	100
196227	1	RJ11-6P4C	7ft.	\$1.75	\$1.49	\$1.29
115554	2	RJ11-6P4C	7ft.	1.75	1.49	1.29
115545	1	RJ11-6P4C	25ft.	3.25	2.99	2.69
201232	2	RJ11-6P4C	35ft.	1.95	1.49	.99
115588	1	RJ11-6P6C	7ft.	1.75	1.55	1.35
115617	2	RJ11-6P6C	7ft.	1.99	1.79	1.59
115677	2	RJ45-8P8C	7ft.	1.95	1.75	1.49

† Beige

Cable Tie Mounts & Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2



Part No.	Cross Ref. No.	Description	1	10	100
182942	0505HC-101S	4-way cable tie mount, self adhesive, .75"D	\$.096	\$.086	\$.077
171214	HC-100	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.156	.13	.11
71408	HC-101	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.185	.164	.134
71395	HC-102	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.25	.19	.15
71386	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.333	.296	.23
70595	HC-0	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.194	.086	.051
182301	0510HC-2	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.145	.109
173761	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	.098	.088	.079
182334	0520FC-1	Cable tie mount, self adhesive, 0.1"D	.19	.17	.12
173737	UC1	Cable clamp for 1/4" cable	.117	.097	.08
71062	MCV-100R	Cable ID tie (4"L x 0.1"W) with tab (.98"W x .31"H)	.29	.27	.23

Cisco Wall Jack DSL Filter

- Filters out DSL
- For kitchen or workshop



Part No.	Description	Color	1	10
15077	6P4C (RJ11)	White	\$5.95	\$4.95

3M Tape Wire Marker

- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W



Part No.	Description	1	10
159231	Numerical tape dispenser	\$38.19	\$36.95

Cable Tie Tool

- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action • Metal



Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7	\$19.15	\$17.99	\$16.86

RIP-TIE Lite & Wrap Strap

- Patented one end permanently attaches to the cable and the other end has a pull tab
- Durable – made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent • 10 per pack



Part No.	Description	1	10
700699	1/2"W x 8"L, rainbow	\$8.75	\$8.55
700701	1/2"W x 8"L, black	8.75	8.55

RIP-TIE EconoCinch CableTie

- The loop lock acts like a pulley, giving you leverage to pull the strap as tight as needed. The non-metallic buckle is safe to use around electrical and magnetic equipment.
- Black • 5 per pack



* Web Code: YCR

Part No.	Description	1	10
746081	3/4"W x 36"L	\$11.95	\$11.55

Nylon Cable Ties

Standard

70561

* Web Code: QAV

- Cable ties made from UL approved Nylon 66
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182677:white)



Part No.	Tensile Strength	Size (L" x W")	100	1000
70561	18 lbs.	3.1 x 0.10	\$.03	\$.025
126544	18 lbs.	4.0 x 0.10	.025	.017
182677	18 lbs.	4.75 x 0.13	.031	.026
182651	18 lbs.	5.5 x 0.13	.11	.10
139150	18 lbs.	8.0 x 0.10	.06	.04
182669	18 lbs.	8.0 x 0.13	.075	.05
182685	18 lbs.	8.0 x 0.18	.036	.033
70907	40 lbs.	5.8 x 0.10	.079	.069
190756	40 lbs.	10.0 x 0.14	.095	.069
190772	40 lbs.	11.0 x 0.19	.10	.075
190764	40 lbs.	13.0 x 0.14	.10	.075

* White

Weather Resistant

104142



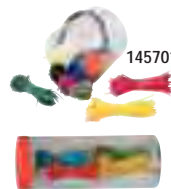
- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use

Part No.	Tensile Strength	Size (L" x W")	100	1000
139125	18 lbs.	3.0 x 0.90	\$.015	\$.014
104142	18 lbs.	4.0 x 0.10	.044	.029
104134	40 lbs.	5.8 x 0.10	.078	.051
190782	40 lbs.	8.0 x 0.13	.108	.081
190800	40 lbs.	10.0 x 0.14	.176	.138
190802	40 lbs.	13.0 x 0.14	.188	.179

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

- 145701: 1000 pcs. (4"L); 10 colors
- 150412: 850 pcs. total 500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors



Part No.	Wt. (lbs.)	1	10	50
145701	0.7	\$9.99	\$8.99	\$7.40
150412	1.7	17.95	16.95	15.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

3M Heat Shrink Tubing Kit

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation.

- 285481:**
Black 102 pieces
• Assorted pre-shrink sizes: 3/16" (30 pcs.); 1/4" (28 pcs.); 3/8" (20 pcs.); 1/2" (14 pcs.); 3/4" (6 pcs.); 1" (4 pcs.) • Pre-cut to 6" lengths
- 645976:** Assorted colors 133 pieces
• 7 colors: black, red, white, yellow, blue, green and clear
• Assorted pre-shrink sizes: 3/32" (35 pcs.); 1/8" (28 pcs.); 3/16" (21 pcs.); 1/4" (21 pcs.); 3/8" (14 pcs.); 1/2" (14 pcs.) • Pre-cut to 6" lengths

Part No.	Description	1	5
285481	Black 102-pc. kit	\$65.95	\$57.95
645976	Colors 133-pc. kit	65.95	57.95

Split Loom Cable Wrap

Bundle and protect cables and cords.

- High temperature rating
- 1/2" diameter with slit
- Color: black

Part No.	Description	1	10
1585531	25' split loom	\$4.95	\$4.49



Heat Shrink Tubing

- 2:1 uniform shrink ratio
 - Color: black
 - Shrink temp.: 90°C
- Polyolefin Tubing**
• Only sold in 10' & 100' lengths

Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834	0.12" (3)	10	\$1.99	\$1.75
644851	0.12" (3)	100	12.69	11.49
644869	0.16" (4)	10	2.15	1.57
644877	0.16" (4)	100	23.49	18.87
644906	0.20" (5)	10	1.95	1.76
644914	0.20" (5)	100	21.59	18.95
644931	0.24" (6)	10	1.95	1.75
644949	0.24" (6)	100	19.75	17.95
644957	0.31" (8)	10	2.75	2.49
644965	0.31" (8)	100	32.79	26.20
644973	0.43" (11)	10	4.05	3.59
644981	0.43" (11)	100	35.99	26.99
644990	0.59" (15)	10	4.55	3.95
645001	0.59" (15)	100	35.99	32.95

Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Flame retardant
- Temp. range: -45°C to +125°C
- Precut 39" length (1 meter)

Part No.	Dia. Before (mm)	1*	10*	100*
71327	.059" (1.5)	\$0.55	\$0.46	\$0.41
71280	.098" (2.5)	.75	.69	.59
72063	.197" (5.0)	.81	.73	.66

TECHFLEX® FLEXO® Clean-Cut Braided Sleeve

- Dense braid structure provides fuller coverage
- Fray resistant when cut with scissors
- Cut and abrasion resistant
- UV resistant
- Maintains properties across wide temperature range
- Color: black
- Length: 25 feet

Part No.	Mfr. Part No.	Min/Max Flex (ins.)	Inside Dia. (ins.)	Outside Dia. (ins.)	1	10
162157	CCP0.25BK25	5/32 - 7/16	0.250	0.440	\$16.95	\$14.95
162165	CCP0.50BK25	1/4 - 3/4	0.500	0.750	18.95	16.95

JAMECO ValuePro S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

- Fully-molded color coded gold RCA connectors
- Flexible black PVC jacket
- Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, & DVD players

Part No.	Description	1	10	25
228591	6' S-VHS video cable, gold plated	\$2.59	\$2.34	\$2.15
228611	25' S-VHS video cable, gold plated	4.85	4.62	4.38
229809	S-video 4-pin mini DIN female to female jack	1.35	1.22	1.10
229391	S-video male plug to RCA video female jack	6.45	5.82	5.27

Audio/Video BNC to RCA Cables & Adapter

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

Part No.	Description	1	10	50
683059	6' BNC to RCA cable (RG-59)	\$3.95	\$3.49	\$2.95
1945057	6' BNC to BNC video cable w/ BNC to RCA male adapter	3.95	3.49	2.95

Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series

* Web Code: VAH



Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.

- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm

Black (6 inch pieces)

Part No.	Mfr. Part No.	Min./Max. ID (ins.)	Bags of	1	5
419400	FIT221B-1/16	.063/.031	36	\$14.49	\$13.67
419549	FIT221B-3/4	.750/.375	12	14.49	13.67
419565	FIT221B-1	1.00/.500	8	14.75	13.80

Black (4 foot pieces)

Part No.	Mfr. Part No.	Min./Max. ID (ins.)	1	5	25
419101	FIT221B-3/64	.046/.023	...	\$0.88	\$0.73
419127	FIT221B-1/16	.063/.031	...	1.01	.96
419143	FIT221B-3/32	.093/.046	...	.80	.70
419160	FIT221B-1/8	.125/.062	...	.81	.77
419186	FIT221B-3/16	.187/.093	...	1.00	.88
419207	FIT221B-1/4	.250/.125	...	1.89	1.75
419223	FIT221B-3/8	.375/.187	...	1.38	1.23
419240	FIT221B-1/2	.500/.250	...	2.05	1.80

Clear (4 foot pieces)

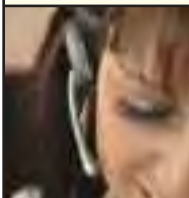
Part No.	Mfr. Part No.	Min./Max. ID (ins.)	1	5	25
419119	FIT221-3/64	.046/.023	...	\$0.75	\$0.71
419215	FIT221-1/4	.250/.125	...	1.85	1.39

JAMECO ValuePro Component Video and Audio Cable

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality

Part No.	Description	1	10	50
229403	6' component video RGB and stereo audio cable	\$11.95	\$10.95	\$9.95

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Feedback@Jameco.com.

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

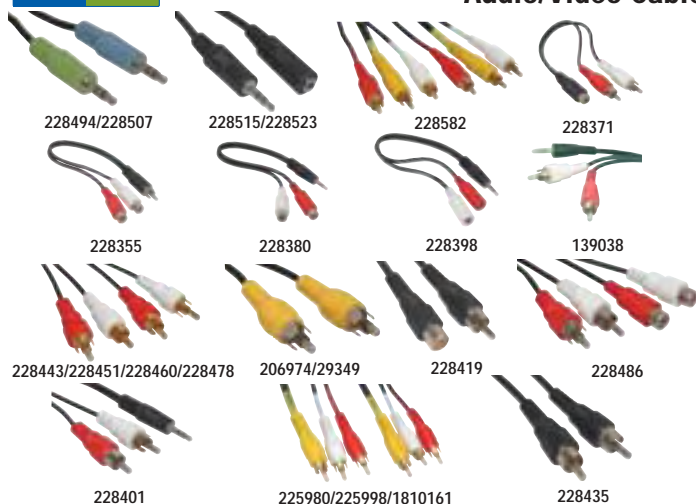
3.5mm, Audio/Video, RCA Cables and Adapters

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

JAMECO ValuePro

Audio/Video Cables and Adapters

★ Web Code: QAP



3.5mm Audio Patch Cables

Part No.	*Mfr.	Description	1	10	25
1944855	+	3' 4" 3.5mm mono male to male plug (black)	\$1.25	\$1.09	\$.99
228494	JVP	6' 3.5mm stereo male to male plug (black)	1.45	1.26	1.05
228515	JVP	6' 3.5mm stereo male plug to female jack (black)	2.35	2.20	2.09
228398	JVP	6' 3.5mm stereo Y-cable F jacks (2) to M plug	2.35	1.98	1.62
228380	JVP	6' 3.5mm stereo Y-cable M plug to RCA F jacks (2)	1.95	1.76	1.59
228507	JVP	12' 3.5mm stereo male to male plug (black)	1.99	1.78	1.54
228523	JVP	12' 3.5mm stereo male plug to female jack (black)	2.59	2.35	2.13
2077538	+	20' 3.5mm stereo male plug to female jack (black)	2.95	2.49	2.25

Video/Audio Patch Cable

Part No.	*Mfr.	Description	1	10	25
228582	JVP	50' stereo video patch cable, gold plated	\$14.49	\$12.95	\$11.75

RCA Cables

Part No.	*Mfr.	Description	1	10	25
228371	JVP	6' RCA M plugs (2) to RCA F jack	\$1.35	\$1.19	\$1.13
228355	JVP	6' RCA M plug to (2) RCA F jacks	1.99	1.75	1.49
228380	JVP	6' RCA F jacks (2) to 3.5mm stereo plug	1.95	1.76	1.59
1810161	JVP	3' RCA (3) male (3) male plugs, gold plated	3.05	2.15	1.50
228443	JVP	3' stereo RCA (2) male to (2) male plugs, gold plated	1.75	1.64	1.52
183312	JVP	4' RCA male to male plug (black)	1.36	1.20	.93
206974	JVP	4' RCA male to male plug (yellow)	.99	.89	.79
139038	+	5' RCA M plugs (2) to 1/8" stereo M plug	2.29	1.95	1.72
682793	+	6' RCA mono M plugs (2) to 1/8" stereo M plug	1.75	1.49	.99
1949470	+	6' RCA male to male, gold plated	1.75	1.49	1.15
106375	JVP	6' RCA male to male plug	2.19	1.69	1.26
228419	JVP	6' mono RCA male plug to female jack	1.99	1.74	1.50
228486	JVP	6' RCA stereo (2) male plugs to (2) female jacks	1.29	1.19	1.09
228451	JVP	6' RCA stereo (2) male to (2) male plugs, gold plated	2.39	2.03	1.79
228401	JVP	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.55	1.39	1.25
1810152	+	6' RCA (3) male (3) male plugs, nickel plated	3.95	3.49	2.95
29349	JVP	10' RCA male to male plug (yellow)	2.05	1.89	1.42
228460	JVP	12' RCA stereo (2) male to (2) male plugs, gold plated	2.49	2.29	2.19
225980	JVP	12' RCA (3) male to (3) male plugs, gold plated	4.95	4.25	2.95
225998	JVP	20' RCA (3) male to (3) male plugs, gold plated	7.95	6.49	4.95
228435	JVP	25' mono RCA male to male plug, nickel plated	2.59	2.51	2.39
228478	JVP	25' RCA stereo (2) male to (2) male plugs, gold plated	2.95	2.51	2.08

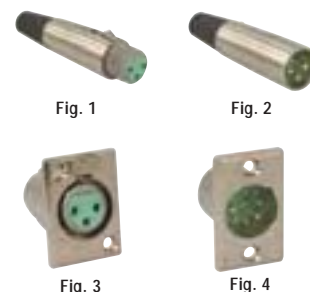
Audio Connectors

Microphone (XLR) Connectors

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
277026	Switchcraft	A3F	1	3-pin female, metal	82.5 x 5.3 Dia.	\$5.09	\$4.39	\$4.07
281560	Switchcraft	A3M	2	3-pin male, metal	70.3 x 5.3 Dia.	4.29	3.44	3.12
281640	Switchcraft	D3F	3	3-pin female, metal, panel mount	27.0W x 36.3H x 30.6D	5.99	4.96	4.35
281586	Switchcraft	A4F	1	4-pin female, metal	82.0 x 5.5 Dia.	8.55	6.47	5.67
281607	Switchcraft	A5F	1	5-pin female, metal	82.0 x 4.7 Dia.	13.95	10.44	9.56
281615	Switchcraft	A5M	2	5-pin male, metal	70.2 x 5.3 Dia.	10.99	8.32	7.62
281623	Switchcraft	A6F	1	6-pin female, metal	80.2 x 4.6 Dia.	18.55	16.50	14.85
281703	Switchcraft	D6F	3	6-pin female, metal, panel mount	27.0W x 26.3H x 30.6D	26.35	23.75	20.16
281711	Switchcraft	D6M	4	6-pin male, metal, panel mount	27.0W x 36.3H x 30.6D	23.87	19.89	22.43
319011	Jameco ValuePro	250-710	2	3-pin male, metal	70.6L x 7.31D	3.39	2.48	2.13
319003	Jameco ValuePro	250-720	1	3-pin female, metal	81.5L x 7.43D	2.59	2.19	1.95
319038	Jameco ValuePro	250-705	3	3-pin female, metal, panel mount	26.2W x 35.5H x 35.9D	4.15	3.39	2.29

★ Web Code: ABV

Switchcraft – For Highest Quality Connectors



Audio Adapters

Part No.	Manufacturer	Product No.	Description	1	10	25
228283	Jameco ValuePro	251-120	RCA F jack to mono 1/4" M plug	\$.62	\$.56	\$.50
228267	Jameco ValuePro	251-116	RCA F to F jack coupler, gold plated	.58	.52	.48

★ Web Code: KBQ

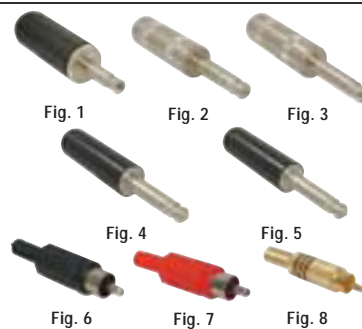


Audio and Phone Plugs

Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
281869	Switchcraft	750	1	3.5mm mono audio plug, plastic	14.0 x 41.5 x 5.7 ID	\$2.79	\$2.19	\$1.93
281789	Switchcraft	297	2	1/4" stereo phone audio plug, metal	73.7 x 7.6 ID	5.49	4.95	4.55
281771	Switchcraft	280	3	1/4" mono phone audio plug, metal	73.7 x 7.6 ID	4.35	3.43	3.40
281762	Switchcraft	267	4	1/4" stereo phone audio plug, plastic	73.7 x 7.6 ID	5.15	4.23	3.72
281754	Switchcraft	250	5	1/4" mono phone audio plug, plastic	73.7 x 7.6 ID	3.45	2.70	2.34
229921	Jameco ValuePro	JR1625BLK	6	RCA plastic plug Black (5 pk)	51.5 x 5.0 ID	1.15	1.04	.83
229930	Jameco ValuePro	JR1625R	7	RCA plastic plug Red (5 pk)	51.5 x 5.0 ID	1.29	1.09	.95
229876	Jameco ValuePro	JR0101BLK	8	RCA metal plug (black stripes)	61.7 x 7.0 ID	2.29	2.06	1.65
229868	Jameco ValuePro	JR0101R	8	RCA metal plug (red stripes)	61.7 x 7.0 ID	2.29	2.03	1.86
229884	Jameco ValuePro	JR0101W	8	RCA metal plug (white stripes)	61.7 x 7.0 ID	2.29	1.94	1.46

QUANTITY SAVE

★ Web Code: NPD



* JVP = Jameco ValuePro | + = Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

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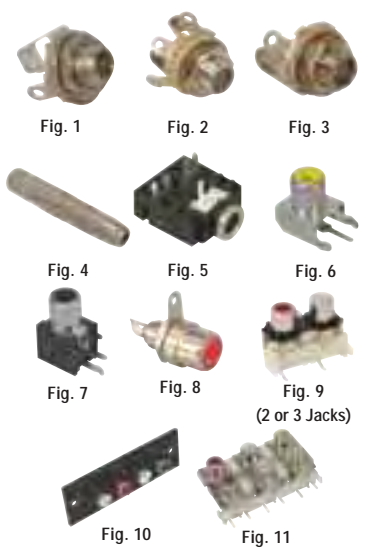
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Stereo, Phone & Audio Jacks

NEW
HARBIN IN PINK

★ Web Code: **AJS**

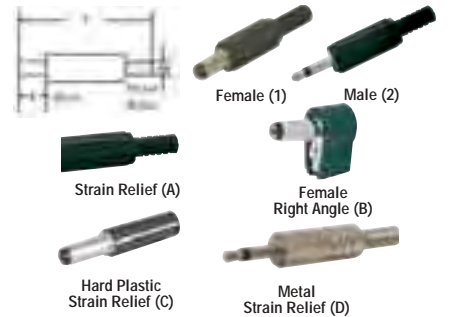
Part No.	Manufacturer	Product No.	Fig.	Description	Dimensions (mm)	1	10	100
281834	Switchcraft	41R	1	3.5mm audio jack	7.8 x 5.9 Dia.	\$2.05	\$1.72	\$1.36
281746	Switchcraft	12BR	2	1/4" stereo phone audio jack	14.7 x 9.1 Dia.	1.89	1.55	1.46
281738	Switchcraft	11R	3	1/4" mono phone audio jack	12.8 x 9.1 Dia.	1.85	1.55	1.42
296892	Switchcraft	12AR	2	1/4" mono phone audio jack, metal	31.7 x 9.4 Dia.	1.79	1.55	1.50
297001	Switchcraft	121	4	1/4" mono phone audio jack, metal	63.5 x 12.7 Dia.	7.49	7.29	7.09
568392	Switchcraft	35RAPC4BH3R	5	3.5mm stereo jack, RA hor., plastic	6.0H x 11.0W x 8.0D	1.13	1.08	1.03
1766180	Switchcraft	35RAPC4BHN2R	5	3.5mm stereo jack, RA hor., plastic	5.0H x 12.0W x 15.0D	1.46	1.04	.99
1766198	Switchcraft	35RAPC4BV4R	5	3.5mm stereo jack, RA ver., plastic	12.3H x 8.1W x 14.0D	1.41	1.22	1.17
220581	Jameco VP	KY-006-1(W)	6	RCA jack, PCB mount, white	11.2H x 14.2W x 12.2D ....	.62	.529	.351
220556	Jameco VP	KY-006-1(R)	6	RCA jack, PCB mount, red	11.2H x 14.2W x 12.2D ....	.59	.515	.322
220572	Jameco VP	KY-006-1(B)	6	RCA jack, PCB mount, black	11.2H x 14.2W x 12.2D ....	.44	.348	.324
2076332	Various	SCJ-0358-YLW	7	RCA jack, PCB mount, yellow	9.9H x 19.1W x 13.0D ....	.45	.35	.25
169502	Various	SCJ-0358-BLK-R	7	RCA jack, PCB mount, black	10.2H x 21.6W x 12.7D ....	.47	.40	.30
159485	Various	CS7021-DN-BLK-R	8	RCA jack, Panel mount, black	21.3W x 9.7H .....	.95	.71	.61
172340	Various	CS7021-DN-RD-R	8	RCA jack, Panel mount, red	21.3W x 9.7H .....	.79	.67	.43
1537150	Various	AJ842G2	9	RCA jack, rt. angle PCB mount, red/white (2)	27.9H x 10.2W x 13D ....	.49	.39	.25
2076359	Various	AJ842G3	9	RCA jack, rt. angle PCB mnt, red/white/yellow (3)	40.6H x 22.9W x 21.6D ....	.99	.85	.69
319249	Velleman	CA066	10	RCA jack, panel mount, red/white	73.7H x 12.2W x 24.9D ....	.89	.75	.65
237016	Various	RCJ-61223344	11	RCA jack, PCB mnt., red/white/yellow	50.8H x 11.4W x 27.9D	1.19	.99	.85



DC Power Plugs & Jacks

★ Web Code: **MFP**

Part Number	Manufacturer	Product No.	Description	Plug ID x OD (mm)	Dimensions	Type	Pricing
					S x L x ID (strain relief)		1 10 100
Female Plugs							
71192	Jameco VP	PP137R	1.3 x 3.5	9.6 x 43.9 x 4.8 (black)	1/A	.....	\$ .86 \$.77 \$.68
191484	Jameco VP	PP049W	2.1 x 5.5	9.6 x 43.9 x 4.5 (white)	1/A	.....	.71 .64 .57
28760	Jameco VP	PP049R	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (black)	1/A	.....	.79 .69 .55
147329	Jameco VP	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (black)	1/A	.....	1.09 .98 .76
138587	Jameco VP	PJ021R	2.1 x 5.5 (rt. angle)	12.0 x 22.5 x 3.9 (black)	1/B	.....	.89 .75 .65
190538	Jameco VP	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (black)	1/A	.....	.55 .49 .45
28768	Jameco VP	PP109R	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (black)	1/A	.....	.89 .75 .59
147336	Jameco VP	PP109L	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (black)	1/A	.....	.90 .82 .65
168242	Jameco VP	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (black)	1/C	.....	.65 .536 .471
281877	Switchcraft	760R	2.5 x 5.5	9.6 x 36.3 x 5.7 (black)	1/C	.....	2.49 1.88 1.85
297617	Switchcraft	S760R	2.1 x 5.5	25.4 x 9.5 (black)	1/C	.....	2.59 1.96 1.84
297289	Switchcraft	761KR	2.5 x 5.5 (DC)	45.7 x 5.5 (black)	1/C	.....	4.59 3.37 3.01
Male Plugs							
101135	Jameco VP	PJ1025	2.5 (P201)	11.1 x 49.0 x 4.3 (black)	2/A	.....	\$ .85 \$.79 \$.62
101152	Jameco VP	PJ1035R	3.5 (P202)	13.8 x 51.8 x 4.2 (black)	2/A	.....	.62 .47 .42
231160	Jameco VP	PJ1035R	3.5 (stereo)	14.3 x 48.9 x 4.8 (metal)	2/D	.....	1.79 1.72 1.57
231176	Jameco VP	AP-340R	3.5 (stereo)	14.5 x 52.5 x 4.3 (black)	2/A	.....	.66 .52 .39
231167	Jameco VP	AP-343	3.5 (mono)	14.2 x 51.6 x 4.7 (metal)	2/D	.....	1.75 1.34 .99



Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief
- Accepts .25" x 1.25" fuse

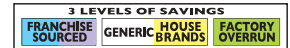
124760: 3' cord with pigtail end

Part No.	Mfr.	Fuse	1	10	100
115002	Various	5A/250VAC	\$2.35	\$2.11	\$1.65
124760	Jameco VP	3A/250VAC	2.49	1.99	1.49

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Power Jacks & CPC Connectors



Male & Female Power Jacks

Part Number	Manufacturer	Product No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Quantity Save	Web Code: BAM	Pricing
									1 10 100

1.3 mm Male Jack

101194	Various	PP024	6.0 x 6.0 x 9.0	1/D	1/B	1.3 mm F			\$.59 \$.49 \$.39
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2.1 mm Male Jacks

101178	Various	PP014	10.9 x 9.0 x 14.5	2/D	1/A	2.1 mm F			\$.49 \$.45 \$.35
137673	Various	PP013	10.9 x 9.0 x 14.5	3/D	4/A	2.1 mm F			.40 .36 .32
151590	Various	DPJ-021A	18.0 x 12.6 Dia.	4/C	1/A	2.1 mm F			1.19 .99 .79
151555	Various	DPJ-026	21.0 x 8.0 Dia.	5/E	1/A	2.1 mm F			1.59 1.29 1.09
159611	Various	PJ1014A	57.5 x 12.6 Dia.	6/F	3/A	2.1 mm F			1.79 1.50 1.31
281851	Switchcraft	722A	15.1 x 7.5 Dia.	7/C	1/A	2.1 mm F			2.45 2.21 2.10

2.5 mm Male Jacks

207714	Various	HEC0470	11.0 x 9.0 x 14.5	2/D	1/B	2.5 mm F			\$.75 \$.59 \$.46
101186	Various	PP014A	11.0 x 9.0 x 14.5	2/D	1/A	2.5 mm F			.55 .49 .39
151563	Various	DPJ-026A	15.1 x 8.0 Dia.	5/E	1/A	2.5 mm F			1.49 1.24 1.13
159506	Various	PJ1015A	57.5 x 12.6 Dia.	6/F	3/A	2.5 mm F			1.69 1.50 1.36
202358	Various	HD2388	12.4 x 7.7 Dia.	4/C	3/A	2.5 mm F			1.19 1.07 .95
281842	Switchcraft	712A	15.8 x 7.5 Dia.	7/C	1/A	2.5 mm F			3.25 2.75 2.50
1768329	Switchcraft	712RA	19.6 x 10.9 Dia.	8/D	1/B	2.5 mm F			3.69 3.33 2.88
297553	Switchcraft	PC712A	23.3 x 11.0 Dia.	9/D	1/A	2.5 mm F			3.09 2.17 2.16
297529	Switchcraft	L712A	23.3 x 11.0 Dia.	10/C	1/A	2.5 mm F			4.49 3.35 3.08

3.5 mm Female Jacks

109496	JamecoVP	PJ035PM	10.5 x 9.0 x 20.0	11/C	2/A	3.5 mm M			\$.53 \$.472 \$.425
165730	JamecoVP	PJ035A	15.5 x 5.9 Dia.	12/C	3/A	3.5 mm M			.79 .67 .56

† Center offset

AMP CPC Contacts

Type III+ Snap-In Crimp Pins w/ Retention Spring

- Finish:
 - A: 30µ" gold over nickel
 - B: Tin-lead
 - C: 15µ" gold over nickel
- Crimp type except *P/N 526424 (solder type)
- Contact body - brass or phosphor bronze

Part No.	Mfr.	P/N	AWG	Finish	Type	Quantity Save
526424	66180-1	18-16	A	Pin*	.....	\$ .82 \$.78
526432	66181-1	18-16	A	Socket	... .90	.86
526459	66103-3	24-20	C	Pin	.....	.39 .37
526563	1-66103-5	24-20	B	Pin	.....	.34 .323
526379	66105-3	24-20	C	Socket	... .52	.39
526504	1-66105-6	24-20	B	Socket	... .41	.30

Size 20DF Contacts

- Contact body: brass
- Finish: A: 30µ" gold over nickel; B: gold flash over nickel

Part No.	Mfr.	P/N	AWG	Finish	Type	Quantity Save
223221	1-66505-0	28-24	B	Socket	† ..	\$.171 \$.134
223247	745253-6	26-22	A	Socket	† ..	.187 (.14)
223298	66504-9	24-20	A	Socket	.....	.159 .144
223255	1-66504-0	24-20	B	Socket	.....	.128 .121

† With insulation support

Part No.	Mfr.	P/N	AWG	Finish	Type	Quantity Save
223221	1-66505-0	28-24	B	Socket	† ..	\$.171 \$.134
223247	745253-6	26-22	A	Socket	† ..	.187 (.14)
223298	66504-9	24-20	A	Socket	.....	.159 .144
223255	1-66504-0	24-20	B	Socket	.....	.128 .121

† With insulation support

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts

Part No.	Mfr.	P/N	Quantity Save
841838	305183		\$17.85 \$16.07

AMP CPC Circular Plastic Connectors

Series 1 Plugs — Standard density, signal and low-current applications

- Accepts type III+; high-current type II and subminiature coax contacts
- Voltage rating: 600V (UL)

Part No.	Mfr.	P/N	AWG	Sex	Quantity Save
495031	206044-1	17-14	Reverse		\$2.69 \$2.33
495103	206708-1	13-9	Standard	...	2.95 2.20
495082	206060-1	11-4	Standard	..	2.59 2.30

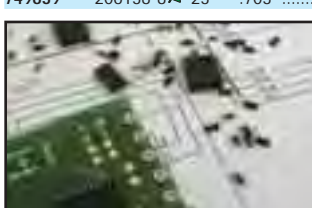
AMP CPC Cable Clamps

- Provides strain relief and can be used in all series receptacles and plugs.
- Material: thermoplastic black, UL94V-0 rated

Part No.	Mfr.	P/N	Shell Size	Cable O.D. (max.)	Quantity Save
494047	206062-3	28	.329"	.....	\$3.05 \$2.72
494039	206062-1	28	.329"	.....	3.49 3.22
494063	206070-1	17	.453"	.....	3.15 2.66
494055	206966-1	13	.453"	.....	3.45 3.07
749919	206966-7	13	.453"	.....	3.75 3.29
749839	206138-8	23	.703"	.....	3.59 2.89

Part No.	Mfr.	P/N	Shell Size	Cable O.D. (max.)	Quantity Save
494047	206062-3	28	.329"	.....	\$3.05 \$2.72
494039	206062-1	28	.329"	.....	3.49 3.22
494063	206070-1	17	.453"	.....	3.15 2.66
494055	206966-1	13	.453"	.....	3.45 3.07
749919	206966-7	13	.453"	.....	3.75 3.29
749839	206138-8	23	.703"	3.59 2.89

Part No.	Mfr.	P/N	Shell Size	Cable O.D. (max.)	Quantity Save
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494039	206062-1	28	.329"	3.49 3.22
494063	206070-1	17	.453"	3.15 2.66
494055	206966-1	13	.453"	3.45 3.07
749919	206966-7	13	.453"	.....	3.75 3.29
749839	206138-8	23	.703"	.....	3.59 2.89



Terminals	Code
Solder eyelet	A
PC board	B

Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F

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PC board	B

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PCB	D
Panel & PCB	E
Cable	F

Terminals	Code
Solder eyelet	A
PC board	B

JAMECO ValuePro

D-Subminiature Connectors

NEW
MARKED IN PINK

*Web Code: EAB

203799



Right Angle PC Mount

*Web Code: FAN

Metal .318" Setback – Tin plated short style

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
1952839	Foxconn	D-SUB-9M†	9	M	\$.49	\$.45	\$.39
104943	Jameco ValuePro	DB9P318	9	M	.63	.59	.53
614441	AMP	747840-4†	9	M	1.31	.98	.96
2076682	Various	DB9S318	9	F	.59	.55	.45
104952	Jameco ValuePro	DB9S318	9	F	.71	.64	.58
614504	AMP	747844-4†	9	F	1.85	1.67	1.48
71124	Astron	DA15P318†	15	M	.59	.55	.49
1952273	Kycon	HDDSUB-15S*†	15	F	.75	.65	.55
77956	Jameco ValuePro	DA15S318	15	F	.79	.69	.63
71466	Jameco ValuePro	HDDB15S318*	15	F	.89	.79	.69
614539	AMP	747845-4†	15	F	1.79	1.67	1.51
1945364	Various	DSUB-25M	25	M	.75	.59	.55
15150	Jameco ValuePro	DB25P318	25	M	.84	.67	.62
265439	Various	DSUB-25F	25	F	.89	.79	.65
15182	Jameco ValuePro	DB25S318	25	F	1.05	.94	.85
446483	Cinch	DBKL-25SAT-E25†	25	F	1.09	.99	.89
614547	AMP	747846-3†	25	F	1.34	2.30	1.22
71706	Astron	DC37P318†	37	M	1.05	.99	.89
78182	Astron	DC37S318†	37	F	1.09	1.05	.95

* High Density † Without female jack screws (P/N 172603, pg 56)

Right Angle PC Mount

Metal .590" Set Back – Tin plated long style

*Web Code: HAN

• Current rating: 1A

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
104970	Jameco ValuePro	DB9P590	9	M	\$1.09	\$.90	\$.78
104978	Jameco ValuePro	DB9S590	9	F	1.09	.94	.70
104985	Astron	DA15P590†	15	M	.99	.85	.75
104993	Astron	DA15S590†	15	F	1.05	.89	.79
105006	Jameco ValuePro	DB25P590	25	M	1.09	.95	.86
105013	Astron	DB25S590†	25	F	1.25	1.09	.85

† Without female jack screws (P/N 172603, pg 56)

Crimp-Type

*Web Code: UBR

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
73189	Jameco ValuePro	500-010	9	M	\$.49	\$.39	\$.31
73197	Jameco ValuePro	500-110	9	F	.49	.39	.31
222842	AMP	205203-3	9	F	.71	.59	.56
73200	Jameco ValuePro	G37-15	15	M	.45	.40	.37
180882	Jameco ValuePro	1006-15P-R*	15	M	.87	.79	.64
73219	Jameco ValuePro	G1G125-R	15	F	.75	.68	.60
222914	AMP	205205-2	15	F	.77	.62	.549
180890	Jameco ValuePro	1006-15S*	15	F	1.01	.91	.73
38789	Jameco ValuePro	500-027	25	M	.68	.528	.432
38771	Jameco ValuePro	500-127	25	F	.55	.44	.31
222922	AMP	207463-1	25	F	.89	.72	.63
222789	AMP	205210-2	37	M	2.25	1.98	1.49

* High Density

Metal Straight PC Mount

*Web Code: SBK

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
111692	Jameco ValuePro	DB9PPCB	9	M	\$.65	\$.502	\$.357
15781	Jameco ValuePro	DB9SPCB	9	F	.68	.56	.39
1577961	3M	8309-6000	9	F	4.25	3.69	3.55
176760	Jameco ValuePro	DA15PPCB	15	M	.51	.413	.384
2077491	Various	DAHD15SPCB*	15	F	.65	.55	.45
176752	Jameco ValuePro	DA15SPCB	15	F	.75	.65	.473
15122	Astron	DB25PPCB	25	M	.59	.55	.49
15165	Astron	DB25SPCB	25	F	.59	.55	.49
180013	Astron	DC37PPCB	37	M	.95	.79	.65
863711	AMP	747375-8	37	M	9.75	8.22	7.99
180021	Jameco ValuePro	DC37SPCB	37	F	1.09	.93	.70
863658	AMP	747301-8	37	F	11.85	10.71	9.72

* High Density

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

Metal Solder-Cup

Part No.	Manufacturer	Product No.	Contacts	Gender	1	10	100
15748	Jameco ValuePro	1001-9P-R	9	M	\$.63	\$.49	\$.39
222990	AMP	747904-2	9	M	1.89	1.79	1.73
222957	AMP	747904-4†	9	M	2.19	2.05	1.45
15771	Jameco ValuePro	500-109	9	F	.69	.58	.51
223052	AMP	747905-2	9	F	2.05	1.82	1.60
223036	AMP	747905-4†	9	F	3.05	2.57	2.02
15035	Jameco ValuePro	1001-15P-R	15	M	.59	.532	.456
15078	Jameco ValuePro	1002-15P-R*	15	M	.81	.70	.58
223001	AMP	747908-2	15	M	2.89	2.69	2.44
15052	Jameco ValuePro	1001-15S-R	15	F	.65	.535	.426
164823	Jameco ValuePro	1002-15S-R*	15	F	.92	.80	.69
223061	AMP	747909-2	15	F	4.59	3.95	3.45
15115	Jameco ValuePro	1001-25P-R	25	M	1.08	.97	.86
223010	AMP	747912-2	25	M	3.89	3.27	2.61
222973	AMP	747912-4†	25	M	3.25	3.19	2.99
482708	Amphenol	EDB25S	25	F	.75	.65	.55
15157	Jameco ValuePro	500-125	25	F	.89	.79	.69
223079	AMP	747913-2	25	F	4.09	3.69	2.72
203799	Jameco ValuePro	1002-26P*	26	M	.69	.65	.59
203782	Jameco ValuePro	1002-26S-R*	26	F	.75	.68	.54
639630	Amphenol	EDC37P	37	M	.85	.75	.55
15473	Jameco ValuePro	1002-37P	37	M	1.26	.95	.79
223028	AMP	747916-2	37	M	3.95	3.75	3.69
482724	Amphenol	EDC37S	37	F	.99	.75	.55
15500	Jameco ValuePro	GC028-R	37	F	1.43	1.26	1.02
223087	AMP	747917-2	37	F	7.79	6.50	5.21
15676	Jameco ValuePro	GC029-R	50	M	1.99	1.79	1.59
482741	Amphenol	EDD50S	50	F	1.09	.85	.59
15691	Jameco ValuePro	GC030	50	F	1.69	1.39	1.25

* High Density

† Zinc plated shell

IDC Ribbon Cable

*Web Code: MAP

- Contact material: phosphor bronze
- Terminates with standard D-type connectors

Part No.	Manufacturer	Product No.	Shell	Cont.	Gender	1	10	100	
109226	Jameco ValuePro	MDB9P	⚡↑	Metal	9	M	\$1.49	\$1.38	\$1.21
12504	Jameco ValuePro	CDB9P	⚡	Plastic	9	M	2.65	1.90	1.69
109218	Jameco ValuePro	MDB9S	⚡↑	Metal	9	F	1.69	1.34	1.17
12521	Jameco ValuePro	CDB9S	⚡	Plastic	9	F	2.79	2.51	2.24
614387	AMP	747318-41	⚡	Plastic	9	F	4.35	3.61	3.32
748799	AMP	1658615-4	⚡R1♣	Plastic	9	M	4.99	4.35	3.95
117381	Jameco ValuePro	MDA15P	⊕	Metal	15	M	1.99	1.59	.88
12299	Jameco ValuePro	CDA15P	⚡	Plastic	15	M	1.95	1.65	1.25
116012	Jameco ValuePro	MDA15S	⚡	Metal	15	F	1.69	1.35	.92
12319	Jameco ValuePro	CDA15S	⊕	Plastic	15	F	1.95	1.79	1.50
115983	Jameco ValuePro	MDB25P	⊕	Metal	25	M	2.05	1.85	1.55
12335	Jameco ValuePro	CDB25P	⚡	Plastic	25	M	1.99	1.79	1.34
115976	Jameco ValuePro	MDB25S	⚡	Metal	25	F	2.39	2.14	1.80
614301	AMP	747303-2	⚡	Metal	25	F	6.95	5.72	5.27
12432	Jameco ValuePro	CDB25S	⚡	Plastic	25	F	2.29	2.11	1.64
115992	Jameco ValuePro	MDC37P	⚡	Metal	37	M	2.49	2.19	1.65
12466	Jameco ValuePro	CDC37P	⊕	Plastic	37	M	3.69	3.52	3.29
116004	Jameco ValuePro	MDC37S	⚡	Metal	37	F	3.59	3.05	2.69
12483	Jameco ValuePro	CDC37S	⚡	Plastic	37	F	4.09	3.49	2.60

↑ Requires flat cable w/.0625" centers 1 With standard mounting holes

Non-Insulated Terminal D-Sub Crimping Tool

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins & sockets, D-sub 26-28 AWG wire; butt-insulated connectors, 22-26 AWG wire; telephone spade lugs, 22-26 AWG wire and non-insulated connectors, 20-22 AWG & 14-18 AWG
- Coiled spring return



Part No.	Mfr. Part No.	Size	1	10	25
99443	HT202A	7.3"L x 1.5"W	\$10.59	\$9.50	\$8.68

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

AMP

AMPLIMITE™ .050" Series 2 Type B Header

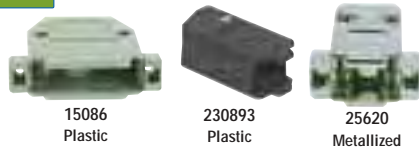
- Right angle plug
- Housing: PBT black
- Cap shields: zinc, nickel over copper
- Contacts: phosphor bronze, 0.76µm gold in contact area, tin in solder area

★ Web Code: BCV

Part No.	Mfr.	P/N	Positions	1	10
749417	2-5174225-5	68		\$34.95	\$32.95

JAMECO
ValuePro

D-Sub Connector Hoods



- Use with D-sub solder cup and housing style connectors (hardware included)

★ Web Code: DAB

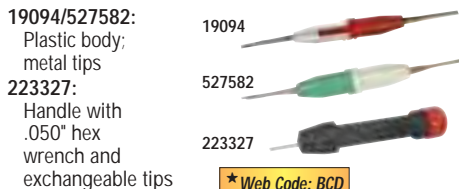
D Series: Plastic hood with strain relief (gray)
MD Series: Metal coated plastic hood w/ strain relief
MH Series: Die-cast metal hood with strain relief
230893: Plastic clam shell hood (black)

Part No.	Mfr.	Cross Ref.	Pins	1	10	100
15722	JamecoVP	DB9H	9	\$.55	\$.51	\$.44
25620	JamecoVP	MDB9H	9	\$.69	\$.56	\$.445
147741	JamecoVP	MHDB9	J9	1.59	1.43	1.27
230893	AMP	205729-1	9	2.25	1.84	1.69
15019	JamecoVP	DA15H	15	\$.69	\$.64	\$.57
25567	JamecoVP	MDA15H	15	\$.79	\$.59	\$.49
15086	JamecoVP	DB25H	25	\$.54	\$.468	\$.42
25604	JamecoVP	MDB25H	25	\$.75	\$.60	\$.509
15106	JamecoVP	MHDB25	25	1.85	1.69	1.48
15457	JamecoVP	DC37H	37	\$.85	\$.77	\$.62
25612	JamecoVP	MDC37H	37	\$.65	\$.59	\$.52
15660	JamecoVP	DD50H	50	2.59	2.30	2.10

★ AMPLIMITE Available Online — Enter Web Code WAB

★ D-Sub Junction Shells Online — Enter Web Code JEM

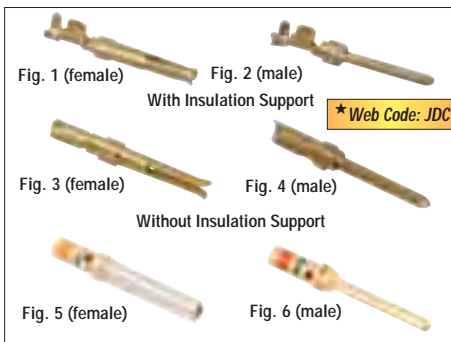
D-Sub Pin Insertion/Extraction Tools



★ Web Code: BCD

Part No.	Mfr.	Description	1	10
527582	AMP	AMP# 91067-1	\$6.25	\$5.90
223327	AMP	AMP# 91285-1	19.99	18.99
19094	JamecoVP	Red/white plastic body	3.65	3.21

D-Sub Contacts



★ Web Code: JDC

Female Crimp Contacts – Fig. 1

Part No.	Mfr.	Product No.	10	100	1000
223221	AMP	1-66505-0	\$.171	\$.134	\$.108
223247	AMP	745253-6	.187	.14	.105
223255	AMP	1-66504-0	.128	.121	.118
223298	AMP	66504-9	.159	.144	.105
43369	Jameco VP	500-155	.08	.07	.06
185412	Jameco VP	1006-PS	.055	.05	.04

† Use with 180890

Male Crimp Contacts – Fig. 2

Part No.	Prod. No.	Mfr.	10	100	1000
223108	66507-9	AMP	\$.155	\$.147	\$.14
43377	500-055	JamecoVP	.105	.095	.085
185421	1006-PP	JamecoVP	.055	.045	.034

† Use with 180882

Female Solder Contact – Fig. 3

Part No.	Mfr.	P/N	Mfr.	10	100	1000
223319	66569-3	AMP	\$.25	\$.237	\$.195	

Male Solder Contact – Fig. 4

Part No.	Mfr.	P/N	Mfr.	10	100	1000
234982	66570-3	AMP	\$.221	\$.202	\$.18	

Female Crimp Contact (M39029/63-368) – Fig. 5

- Machined

Part No.	Mfr.	P/N	Mfr.	1	10	100
449351	205090-1	AMP	\$.49	\$.45	\$.39	

Male Crimp Contact (M39029/64-369) – Fig. 6

- Machined

Part No.	Mfr.	P/N	Mfr.	1	10	100
449342	205089-1	AMP	\$.39	\$.35	\$.29	

molex

Power Connectors

- Passive friction lock
- Polarized housing assures proper mating
- Contact retention to housing: 20 lbs. minimum

- Housing: nylon; UL94V-2
- Dielectric withstanding volt.: 1500VAC_{RMS}
- Temperature range: -40°C to +105°C

.062" (1.57mm) • Current: 5.0A

★ Web Code: HBL



Plugs

Part No.	Mfr.	P/N	Circuits	1	10	100
224485	03-06-2023	2	\$.158	\$.108		
229948	03-06-2024	2	\$.161	\$.15		
224506	03-06-2042	4	\$.34	\$.29	\$.25	
224514	03-06-2044	4	\$.39	\$.303	\$.263	
230041	03-06-2062	6	\$.47	\$.26	\$.24	

*In-line **Grid † with mounting ears

.093" (2.36mm) • Current: 12A per circuit

★ Web Code: CBL



Plugs w/o Mounting Ears

Part No.	Mfr.	P/N	Circuits	1	10	100
224071	03-09-2022	2	\$.30	\$.25	\$.18	
224080	03-09-2032	3	\$.193	\$.174		
229825	03-09-2049	4	1.15	1.00	.93	
230148	03-09-2041	4	.41	.33	.31	
224101	03-09-2062	6	.33	.293	.264	

*In-line **Grid † with mounting ears

Receptacles

Part No.	Mfr.	P/N	Circuits	1	10	100
224400	03-06-1023	2	\$.28	\$.233	\$.167	
229956	03-06-1022	2	\$.185	\$.167		
224418	03-06-1032	3	\$.191	\$.172		
229972	03-06-1038	3	\$.188	\$.178		
224426	03-06-1042	4	\$.51	\$.417	\$.298	
224434	03-06-1044	4	\$.37	\$.315	\$.278	
224442	03-06-1062	6	\$.55	\$.386	\$.33	
224451	03-06-1092	9	\$.21	\$.158		

*In-line **Grid † with mounting ears

Receptacles w/o Mounting Ears

Part No.	Mfr.	P/N	Circuits	1	10	100
224143	03-09-1022	2	\$.30	\$.25	\$.18	
224151	03-09-1032	3	\$.25	\$.227	\$.205	
224160	03-09-1042	4	\$.207	\$.168		
229817	03-09-1049	4	.43	.361	.272	
224186	03-09-1094	9	.83	.71	.468	

*In-line **Grid

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

molex® Power Connector Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating

Crimp-Type Contacts

.062" (1.57mm) Bulk

Part No.	Mfr. P/N	Gender	AWG	10	100	1000
224565	02-06-2103	M	18-24	\$.18	\$.057	\$.038
224557	02-06-1103	F	18-24	\$.089	\$.049	\$.038
224581	02-06-2132	M	24-30	\$.108	\$.097	\$.087
224573	02-06-1132	F	24-30	\$.085	\$.057	\$.049

.062" (1.57mm) Reels

Part No.	Mfr. P/N	Gender	AWG	10	100	1000
734645	02-06-2101	M	18-24	\$.081	\$.045	\$.02
734637	02-06-1101	F	18-24	\$.081	\$.045	\$.02

.093" (2.36mm) Bulk

Part No.	Mfr. P/N	Gender	AWG	10	100	1000
224207	02-09-2118	M	18-22	\$.13	\$.075	\$.05
224215	02-09-1119	F	18-22	\$.132	\$.071	\$.041
224223	02-09-2103	M	14-20	\$.099	\$.055	\$.045
224231	02-09-1104	F	14-20	\$.18	\$.059	\$.042

Solder-Tail Contact

.093" (2.36mm) Bulk

Part No.	Mfr. P/N	Gender	10	100	1000
224258	02-09-1134	Female	\$.50	\$.46	\$.345

molex® .093" Power Connector Kit

Kit contains mating sets of housings and pins.

- 2 each 4-pin plugs & receptacles, 10 each female and male contacts
- Volt.: 250VAC
- Temp. range: -40°C to +105°C
- Current: 9A



Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Mfr. P/N	Description	1	10	50
142201	1490	4-pin kit	\$5.09	\$4.32	\$3.24

Waldom Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" crimp pin terminals and KK® series on page 60.

308030: Cuts & strips 14-24 AWG wires
227491: Cuts & strips 18-30 AWG wires

Part No.	Mfr. P/N	Length	Color	1	5
308030	W-HT-1919	8.3"L	Red	\$14.99	\$13.99
227491	W-HT-1921	8.3"L	Yellow	14.99	13.99

AMP .098" (2.36mm) Post Header

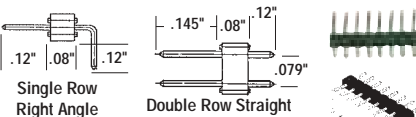
Horizontal Mount

- Housing: 6/6 nylon, UL94V-0
- Posts: brass/tin

Part No.	Mfr. P/N	Position	1	10	100
742320	171826-4	4	\$.47	\$.441	\$.414

.079" (2.00mm) Male Headers

- Solder to PC boards for instant plug-in access via shorting blocks, right
- Insulator: UL94V-0 polyester
- Contact material: phosphor bronze
- Temperature range: -55°C to +120°C
- .025" square posts on a .100" x .100" matrix
- Use with crimp connector housing, pg 64
- Current rating: 1 amp
- Contact area: gold



Right Angle Single Row Male Header

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
2076906	079RA11	1	\$.10	\$.08	\$.06	
2076914	079RA12	2	\$.12	\$.10	\$.08	
2076922	079RA14	4	\$.25	\$.21	\$.19	\$.15
2076931	079RA15	5	\$.29	\$.25	\$.23	\$.19
2076949	079RA110	10	\$.59	\$.49	\$.45	\$.39

Straight Single Row Male Header

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
2076957	079SS2	2	\$.14	\$.12	\$.10	
2077087	079SS3	3	\$.15	\$.13	\$.11	
2077095	079SS4	4	\$.19	\$.15	\$.12	
2077108	079SS6	6	\$.29	\$.25	\$.21	\$.18
2077116	079SS10	10	\$.49	\$.45	\$.35	\$.29
2077124	079SS14	14	\$.69	\$.59	\$.49	\$.39
2077132	079SS20	20	\$.99	\$.85	\$.69	\$.59

Straight Double Row Male Header

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
2077141	079DH4	4	\$.19	\$.16	\$.13	
2077167	079DH6	6	\$.29	\$.25	\$.19	\$.16
2077204	079DH8	8	\$.39	\$.35	\$.29	\$.25
2076965	079DH10	10	\$.49	\$.45	\$.39	\$.35
2076973	079DH12	12	\$.59	\$.55	\$.49	\$.45
2076981	079DH14	14	\$.69	\$.65	\$.59	\$.49
2076990	079DH16	16	\$.79	\$.69	\$.65	\$.55
2077001	079DH20	20	\$.99	\$.89	\$.75	\$.65
2077010	079DH26	26	1.49	1.25	1.09	.89
2077028	079DH30	30	1.75	1.49	1.29	1.09
2077036	079DH40	40	1.95	1.75	1.59	1.39

Waldom Connector Extraction Tools



Part No.	Mfr. P/N	AWG	Conn. Size	1	5
142156	W-HT-2285	14	.062"	\$14.49	\$13.49
227467	W-HT-2023	18-30	.062"	14.99	13.74
142236	W-HT-2038	14	.093"	14.49	13.49
227395	W-HT-2054	14-30	.093"	15.75	14.43

*Jumpers Available Online — Enter Web Code GAQ



.100" (2.54mm) PCB Connectors

Receptacle, Top Entry with Hooks (Tin/Brass)

- Accepts 0.025" square posts
- Voltage rating: 250VAC
- Contact resistance: 40mΩ max.
- Insulation material: nylon 6/6, UL94V-2
- Withstanding voltage: 1000VAC/min.

Part No.	Mfr. P/N	Pos.	1	10	25
688386	2405S08V000	8	\$.73	\$.66	\$.62
688394	2405S09V000	9	\$.59	\$.54	\$.49

AMP MTA-100 .100" (2.54mm) IDC Connectors

Closed-End Style Without Polarizing Tabs With Locking Ramp

- Low-level resistance: 6mΩ max. initial
- Dielectric withstand: 750VAC/1 min.
- Insulation resistance: 50kMΩ min.
- Contacts: phosphor bronze, tin-plated
- Voltage rating: 250VAC
- Current rating: 5A

Part No.	Mfr. P/N	Pos.	AWG	Color	1	10
750830	3-640440-2	2	22	Red	\$.089	
524710	640440-4	4	22	Red	\$.27	\$.207
524681	1-640440-2	12	22	Red	\$.56	\$.484

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors

Part No.	Mfr. P/N	Description	Price
365974	59803-1Z	.100" hand tool	\$20.89

.100" & 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs
- Mate with male headers, above
- Pin material: phosphor bronze

Open: open on top to allow for a test point
Closed: closed top

119264: 2mm (for disk drives)

Part No.	Description	10	100	1000
22023	Top open, black (.100")	\$.12	\$.08	\$.05
119264	Top open, black (2mm)	\$.12	\$.08	\$.05
112425	Top open, blue (.100")	\$.027	\$.026	\$.025
112417	Top open, red (.100")	\$.12	\$.09	\$.06
19141	Top closed, black (.100")	\$.12	\$.09	\$.06
112442	Top closed, blue (.100")	\$.12	\$.09	\$.06
112432	Top closed, red (.100")	\$.20	\$.18	\$.12
152671	Top closed, black (.100")	\$.19	\$.15	\$.12

*Shunts Available Online — Enter Web Code LCU

Quick and Easy Search

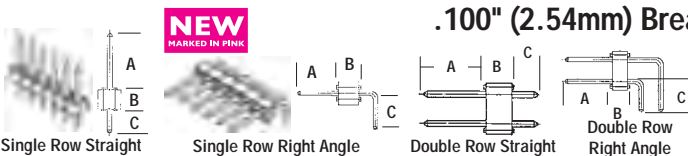
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Breakaway & Friction Lock Headers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN



.100" (2.54mm) Breakaway Male Headers

*Web Code: DAP

Right Angle Single Row Male Headers

Part No.	Cross Ref. No.	Mfr.	Size (A"xB"xC")	Plating	Pos.	1	10	100
2076842	RMH5	Various	.23 x .10 x .12	Gold	5	\$.39	\$.35	\$.29
2076851	RMH6	Various	.23 x .10 x .12	Gold	6	\$.45	\$.39	\$.35
687295	2557P07TL39	Leoco	.23 x .10 x .12	Tin	7	\$.34	\$.304	\$.289
2076869	RMH26	Various	.23 x .10 x .12	Gold	26	\$.55	\$.49	\$.45
103271	RMH36	Jameco ValuePro	.23 x .10 x .12	Gold	36	\$.92	\$.79	\$.71

Straight Single Row Male Headers

* Order in multiples of 10

*Web Code: TAM

Part No.	Cross Ref. No.	Mfr.	Size (A"xB"xC")	Plating*	Pos.	1	10	100
2076797	SMH01	Various	.23 x .10 x .12	Gold	1	\$.10	\$.12	\$.10
879406	22-28-4020	Molex	.23 x .10 x .13	Tin	2	\$.201	\$.15	\$.15
108337	SMH02	Various	.23 x .10 x .12	Gold	2	\$.16	\$.14	\$.14
109575	SMH03	Various	.23 x .10 x .12	Gold	3	\$.211	\$.186	\$.186
687148	2556P03JL62	Leoco	.23 x .10 x .12 Gd(A)/Tin(C)	3	\$.147	\$.129	\$.129	\$.129
117559	SMH04	Various	.23 x .10 x .12	Gold	4	\$.17	\$.15	\$.15
2076789	SMH05	Various	.23 x .10 x .12	Gold	5	\$.17	\$.15	\$.15
153699	SMH06	Various	.23 x .10 x .12	Gold	6	\$.25	\$.17	\$.15
2076800	SMH07	Various	.23 x .10 x .12	Gold	7	\$.25	\$.19	\$.17
687181	2556P07JL62	Leoco	.23 x .10 x .12 Gd(A)/Tin(C)	7	\$.37	\$.342	\$.337	\$.337
153702	SMH08	Jameco ValuePro	.23 x .10 x .12	Gold	8	\$.198	\$.158	\$.158
2076818	SMH09	Various	.23 x .10 x .12	Gold	9	\$.19	\$.17	\$.17
103392	SMH10	Various	.23 x .10 x .12	Gold	10	\$.25	\$.19	\$.17
687210	2556P10JL62	Leoco	.23 x .10 x .12 Gd(A)/Tin(C)	10	\$.44	\$.418	\$.397	\$.397
686680	2556P12TL63	Leoco	.30 x .10 x .12	Tin	12	\$.37	\$.359	\$.343
103377	SMH17	Jameco ValuePro	.23 x .10 x .12	Gold	17	\$.28	\$.23	\$.19
103369	SMH20	Jameco ValuePro	.23 x .10 x .12	Gold	20	\$.30	\$.27	\$.248
202825	SMH22	Jameco ValuePro	.23 x .10 x .12	Gold	22	\$.176	\$.159	\$.159
103351	SMH25	Jameco ValuePro	.23 x .10 x .12	Gold	25	\$.40	\$.266	\$.224
103342	SMH30	Jameco ValuePro	.23 x .10 x .12	Gold	30	\$.42	\$.378	\$.30
2076826	SMH34	Various	.23 x .10 x .12	Gold	34	\$.39	\$.32	\$.25
687113	2556P36TL62	Leoco	.23 x .10 x .12	Tin	36	\$.44	\$.399	\$.357
68339	SMH36	Jameco ValuePro	.23 x .10 x .12	Gold	36	\$.44	\$.399	\$.357
160882	SMH40	Jameco ValuePro	.23 x .10 x .12	Gold	40	\$.61	\$.55	\$.51

*Dimension A has gold plating; dimension C has tin plating

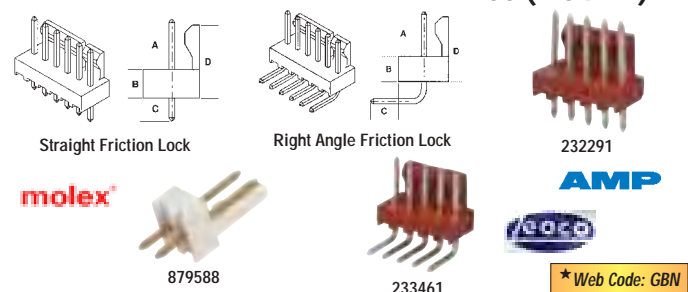
C-Grid Dual Row, Vertical, High Temperature

*Web Code: FCC

- Contact resist.: 15mΩ max.
- Contacts: phosphor bronze
- Dielectric withstanding voltage: 1500V
- Current: 3A

Part No.	Cross Ref. No.	Mfr.	Size (A"xB"xC")	Plating	Pos.	1	10	100
514466	10-89-7102	Molex	.49 x .40 x .10	Gold	10	\$.77	\$.64	\$.467

.100" (2.54mm) Friction Lock Headers



Right Angle Friction Lock Headers

* Order in multiples of 10

Part No.	Product No.	Mfr.	Size (A"xB"xC"xD")	Plating	Pos.	1	10	100
233437	22-05-3021	Molex	.26 x .13 x .14 x .32	Tin	2	\$.178	\$.148	\$.148
233445	22-05-3031	Molex	.26 x .13 x .14 x .32	Tin	3	\$.25	\$.227	\$.188
233453	22-05-3041	Molex	.26 x .13 x .14 x .32	Tin	4	\$.31	\$.289	\$.249
233461	22-05-3051	Molex	.26 x .13 x .14 x .32	Tin	5	\$.36	\$.33	\$.28
233470	22-05-3061	Molex	.26 x .13 x .14 x .32	Tin	6	\$.85	\$.72	\$.48
233496	22-05-3081	Molex	.26 x .13 x .14 x .32	Tin	8	\$.48	\$.44	\$.41

▲ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Right Angle Double Row Male Headers

* Order in multiples of 10

Part No.	Cross Ref. No.	Mfr.	Size (A"xB"xC")	Plating	Pos.	1	10	100
203908	923804DR	Jameco ValuePro	.23 x .10 x .12	Gold	4	\$.114	\$.113	\$.113
203917	923806DR	Jameco ValuePro	.23 x .10 x .12	Gold	6	\$.099	\$.09	\$.09
203924	923808DR	Jameco ValuePro	.23 x .10 x .12	Gold	8	\$.174	\$.156	\$.156
203932	923810DR	Jameco ValuePro	.23 x .10 x .12	Gold	10	\$.192	\$.173	\$.173
203959	923814DR	Jameco ValuePro	.23 x .10 x .12	Gold	14	\$.20	\$.18	\$.18
203967	923816DR	Jameco ValuePro	.23 x .10 x .12	Gold	16	\$.78	\$.71	\$.64
53575	923820DR	Jameco ValuePro	.23 x .10 x .12	Gold	20	\$.75	\$.68	\$.60
53583	923826DR	Various	.23 x .10 x .12	Gold	26	\$.69	\$.62	\$.51
53604	923840DR	Various	.23 x .10 x .12	Gold	40	\$.75	\$.65	\$.55
53612	923850DR	Jameco ValuePro	.23 x .10 x .12	Gold	50	\$.54	\$.489	\$.44
103413	923872DR	Jameco ValuePro	.23 x .10 x .12	Gold	72	\$.85	\$.76	\$.68
139563	923880DR	Jameco ValuePro	.23 x .10 x .12	Gold	80	1.49	1.25	1.15

Straight Double Row Male Headers

* Order in multiples of 10

*Web Code: QCM

Part No.	Cross Ref. No.	Mfr.	Size (A"xB"xC")	Plating	Pos.	1	10	100
115027	923804DS	Various	.23 x .10 x .12	Gold	4	\$.15	\$.12	\$.12
115035	923806DS	Jameco ValuePro	.23 x .10 x .12	Gold	6	\$.207	\$.184	\$.184
109516	923808DS	Various	.23 x .10 x .12	Gold	8	\$.19	\$.17	\$.17
67821	923810DS	Jameco ValuePro	.23 x .10 x .12	Gold	10	\$.35	\$.29	\$.25
203810	923812DS	Jameco ValuePro	.23 x .10 x .12	Gold	12	\$.60	\$.55	\$.49
118455	923814DS	Various	.23 x .10 x .12	Gold	14	\$.49	\$.39	\$.32
109568	923816DS	Jameco ValuePro	.23 x .10 x .12	Gold	16	\$.55	\$.49	\$.45
2076877	923818DS	Various	.23 x .10 x .12	Gold	18	\$.55	\$.49	\$.45
53480	923820DS	Jameco ValuePro	.23 x .10 x .12	Gold	20	\$.65	\$.57	\$.48
203836	923822DS	Jameco ValuePro	.23 x .10 x .12	Gold	22	\$.70	\$.65	\$.59
203844	923824DS	Jameco ValuePro	.23 x .10 x .12	Gold	24	\$.75	\$.70	\$.65
53495	923826DS	Various	.23 x .10 x .12	Gold	26	\$.55	\$.45	\$.29
203852	923828DS	Jameco ValuePro	.23 x .10 x .12	Gold	28	\$.79	\$.75	\$.69
203861	923832DS	Jameco ValuePro	.23 x .10 x .12	Gold	32	\$.80	\$.74	\$.59
53517	923834DS	Jameco ValuePro	.23 x .10 x .12	Gold	34	\$.29	\$.26	\$.234
203888	923836DS	Jameco ValuePro	.23 x .10 x .12	Gold	36	\$.96	\$.87	\$.70
203895	923838DS	Jameco ValuePro	.23 x .10 x .12	Gold	38	\$.213	\$.192	\$.192
53532	923840DS	Various	.23 x .10 x .12	Gold	40	\$.59	\$.49	\$.39
53560	923850DS	Jameco ValuePro	.23 x .10 x .12	Gold	50	\$.72	\$.62	\$.55
68574	923860DS	Jameco ValuePro	.23 x .10 x .12	Gold	60	\$.40	\$.384	\$.346
103406	70002X36SG-R	Jameco ValuePro	.23 x .10 x .12	Gold	72	1.05	\$.93	\$.86
117197	923880DS	Jameco ValuePro	.23 x .10 x .12	Gold	80	1.08	\$.96	\$.90

Straight Triple Row Male Headers

Part No.	Cross Ref. No.	Mfr.	Size (A"xB"xC")	Plating	Pos.	1	10	100
2076885	933812TS	Various	.23 x .10 x .12	Gold	12	\$.59	\$.55	\$.49
2076893	933824TS	Various	.23 x .10 x .12	Gold	36	\$.69	\$.59	\$.49

Straight Friction Lock Headers

* Order in multiples of 10

Part No.	Product No.	Mfr.	Size (A"xB"xC"xD")	Plating	Pos.	1	10	100
232266	22-23-2021	Molex	.30 x .13 x .14 x .32	Tin	2	\$.29	\$.23	\$.15
879254	22-27-2021	Molex	.30 x .13 x .14 x .46	Tin	2	\$.283	\$.272	\$.272
613931	640456-2	AMP	.30 x .10 x .14 x .31	Tin	2	\$.063	\$.058	\$.058
233584	22-11-2022	Molex	.30 x .13 x .14 x .32	Gold	2	\$.28	\$.249	\$.224
879588	22-29-2021	Molex	.30 x .17 x .14 x .46	Gold	2	\$.39	\$.352	\$.334
232274	22-23-2031	Molex	.30 x .13 x .14 x .32	Tin	3	\$.119	\$.09	\$.09
879271	22-27-2031	Molex	.30 x .13 x .14 x .46	Tin	3	\$.301	\$.235	\$.235
233592	22-11-2032	Molex	.30 x .13 x .14 x .32	Gold	3	\$.87	\$.77	\$.51
232282	22-23-2041	Molex	.30 x .13 x .14 x .32	Tin	4	\$.42	\$.36	\$.23
879300	22-27-2041	Molex	.30 x .13 x .14 x .46	Tin	4	\$.171	\$.162	\$.162
879633	22-29-2041	Molex	.30 x .17 x .14 x .46	Gold	4	\$.59	\$.49	\$.45
232291	22-23-2051	Molex	.30 x .13 x .14 x .32	Tin	5	\$.49	\$.432	\$.291
232303	22-23-2061	Molex	.30 x .13 x .14 x .32	Tin	6	\$.188	\$.159	\$.159
879342	22-27-2061	Molex	.30 x .13 x .14 x .46	Tin	6	\$.34	\$.318	\$.318
233621	22-11-2062	Molex	.30 x .13 x .14 x .32	Gold	6	\$.54	\$.49	\$.41
232320	22-23-2081	Molex	.30 x .13 x .14 x .32	Tin	8	\$.73	\$.64	\$.43
687914	2571P09V000	Leoco	.30 x .13 x .14 x .32	Tin	9	\$.53	\$.51	\$.488
232346	22-23-2101	Molex	.30 x .13 x .14 x .32	Tin	10	\$.34	\$.309	\$.267
232354	22-23-2121	Molex	.30 x .13 x .14 x .32	Tin	12	\$.66	\$.59	\$.53

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KK® Series .100" (2.54mm) Female Housings

- Contact resistance: 20mΩ max.
- Insulation resistance: 50kMΩ

- Dielectric withstanding volt.: 1500VAC
- Voltage: 250V

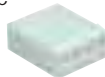
*Web Code: LBN

Housing Material:

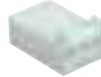
- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.

- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C

QUANTITY
SAVE



234721



234801

Housing with Locking Ramp & Polarizing Ribs

Part No.	Mfr. P/N	Positions	1	10	100
234798	22-01-3027	2	..... *	\$.054	\$.049
234801	22-01-3037	3	..... *	\$.188	\$.141
234819	22-01-3047	4	..... *	\$.33	\$.287
234827	22-01-3057	5	..... *	\$.36	\$.306
234835	22-01-3067	6	..... *	\$.168	\$.138
234851	22-01-3087	8	..... *	\$.57	\$.50
234878	22-01-3107	10	..... *	\$.25	\$.237

Housing w/Locking Ramp

Part No.	Mfr. P/N	Positions	1	10	100
234704	22-01-2027	2	..... *	\$.165	\$.11
234712	22-01-2037	3	..... *	\$.154	\$.139
234721	22-01-2047	4 *	\$.204	\$.146
234739	22-01-2057	5 *	\$.33	\$.28
234747	22-01-2067	6 *	\$.37	\$.261
234771	22-01-2107	10 *	\$.61	\$.53

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KK® Series .100" (2.54mm) Crimp Terminals

*Web Code: JCT

- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736456/736501/234923/234931: brass; 736595/462969/463005: phosphor bronze



Bulk Packaged

Part No.	Mfr. P/N	Plating	10	100	1000
736456	08-50-0005	Tin/copper	\$.127	\$.106	\$.093
736501	08-50-0113	Tin	\$.038	\$.034	\$.031
234923	08-50-0114	Tin	\$.065	\$.048	\$.029
234931	08-55-0102	15µ" gold	\$.125	\$.115	\$.105
736595	08-52-0123	Tin	\$.09	\$.077	\$.07
462969	08-65-0805	Tin (cat ear)	\$.107	\$.095	\$.079
463005	08-65-0816	15µ" gold	\$.158	\$.151	\$.143

.100" (2.54mm) Pitch SL™ Wire-to-Board Shrouded Headers

Single Row

*Web Code: JCU

- Voltage: 250V
- Current: 3.0A
- Contact resistance: 15mΩ max.
- Insulation resistance: 1000MΩ min.
- Dielectric withstanding voltage: 1500V
- Housing: black glass filled PTC, UL94V-0
- Contact: phosphor bronze, 0.025" square
- 15µ" gold
- .120" pocket



Part No.	Mfr. P/N	Positions	1	10	100
884627	70543-0001	2 straight	.....	\$.69	\$.68
884731	70553-0001	2 rt. angle	.....	\$.71	\$.61

.100" (2.54mm) Pitch SL™ Crimp Terminals

*Web Code: BCU

- Insulation resistance: 10,000MΩ min.
- Contact resistance: 15mΩ max.
- Contact: copper alloy
- Volt.: 250V
- Current: 3.0A
- Plating: A: 15µ" gold in select area over 50µ" min. nickel overall with 75µ" tin in select area; B: 150µ" tin over 50µ" nickel overall

Female Crimp Pin (Bulk)

Part No.	Mfr. P/N	AWG	Plating	10	100
741685	16-02-0103	22-24	A	\$.083	\$.079

Female Crimp Pin (Reel)

Part No.	Mfr. P/N	Positions	10	100
741677	16-02-0086	22-24	B	\$.037

.100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

Single Row

- Housing: black glass filled polyester, UL94V-0



Version A, Non-polarized

*Web Code: VDD

Part No.	Mfr. P/N	Positions	1	10	100
884301	50-57-9002	2	.....	\$.49	\$.46

Version G, Positive Latch

*Order in multiples of 10

Part No.	Mfr. P/N	Positions	1	10	100
884328	50-57-9402	2	.....	\$.34	\$.283
884344	50-57-9403	3	.....	\$.195	\$.173
884379	50-57-9404	4	.....	\$.38	\$.30

JAMECO ValuePro Extraction Tool

For Micro-Fit Connectors

- Length: 3.0"

JAMECO
EXCLUSIVE



Part No.	Cross Ref. No.	1	5
338669	11-03-0043	.....	\$.15.99

♣ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

JAMECO ValuePro Crimp Tool

For Micro-Fit Connectors

- Length: 8.25"

JAMECO
EXCLUSIVE

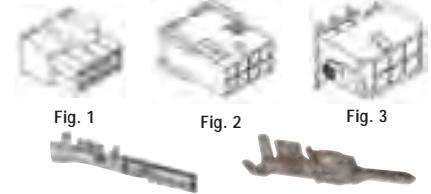


Part No.	Cross Ref. No.	1	5	10
338678	HT-225D	.....	\$.27.95	\$.23.95

.118" (3.0mm) Micro-Fit Connectors

- Fully isolated contacts
- Housing: polyester, UL94V-0
- Fully polarized to mating header/receptacle

*Web Code: UBW



Female (1A)

Male (2A)

Dual Row Receptacles (Fig. 1)

Part No.	Mfr. P/N	Mfr.	Pos.	1	10	100
882867	43025-0200	Molex	2	.....	\$.35	\$.27
882921	43025-0800	Molex	8	.....	\$.39	\$.333
882963	43025-1200	Molex	12	.....	\$.59	\$.549
883026	43025-1800	Molex	18	.....	1.43	1.25

Dual Row Plug – Free Hanging (Fig. 2)

- Contacts: tin or 30µ" gold plating over phosphor bronze
- Contact resistance: 10mΩ (max.)
- Voltage/current rating: 250V @ 5.0A (max.)
- Mates with 43020 and 43045 series
- Black

Part No.	Cross Ref. No.	Mfr.	Pos.	10	100
337631	43020-0801	JamecoVP	8	.....	\$.21

Dual Row PCB Header (Fig. 3)

- Compatible with PCB polarizing pegs
- Black

Right Angle w/ Snap-In Plastic Peg – Tin

Part No.	Cross Ref. No.	Mfr.	Pos.	1	10	100
338571	43045-1400	JamecoVP	14	.....	\$.66	\$.59

Vertical Thru Hole – Tin

Part No.	Cross Ref. No.	Mfr.	Pos.	1	10	100
337922	43045-0212	JamecoVP	2	.....	\$.63	\$.539

Female & Male Contacts

- Tin plating over phosphor bronze
- AWG: 20-24

Part No.	Product No.	Mfr.	Type	10	100
337720	43030-0007	JamecoVP	Female	.....	\$.092
883093	43030-0007	Molex	Female	.....	\$.074
337762	43031-0007	JamecoVP	Male	.....	\$.092

molex KK® Series Hand Crimp Tool

- Works with KK series 0.100" crimp terminals
- Small handle spread which make this style tool ideally suited for end users
- Ratchet safety release for consistent performance
- Precision end user friendly terminal locator wire stop holds terminals in the proper crimping position



Part No.	Mfr. P/N	Description	1	10
739518	11-01-0185	Hand crimp tool	.....	\$.224.59

*Hand Tools — Enter Web Code VBW

*.156" Crimp Contacts Online — Enter Web Code RBL

*Lock Headers Available Online — Enter Web Code HDL

*Molex Connectors — Enter Web Code GBX

*Terminal Housings Online — Enter Web Code EAF

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

molex® .156" (3.96mm) Pitch Locking Headers

- Voltage: 250VAC
- Housing: nylon, UL94V-2
- Current: 7A
- Contacts: brass
- Dielectric withstanding voltage: 1500VAC

* Web Code: JDL

Tin Solid Headers with Straight Friction Lock

Part No.	Mfr.	Product No	Pos	* Order in multiples of 5		
				1	5	100
879861	Molex	26-60-4020	2	.....	.....	.....
879887	Molex	26-60-4030	3	.....	.....	.....
879908	Molex	26-60-4040	4	.....	.....	.....
879941	Molex	26-60-4060	6	.....	.....	.....
880036	Molex	26-60-4100	10	.....	.....	.....
104846	Jameco VP	LMH10	10	.....	.....	.....

Crimp Terminals

- Female • .110" max. wire insulation
- For 2139 & 3069 series (above)
- Plating: A: brass/tin; B: phosphor bronze/tin; C: brass/20µ" gold
- AWG: 18-20

Part No.	Mfr.	Mfr. P/N	Plating	* Order in multiples of 10		
				10	100	
736481	Molex	08-50-0106	A	.....	.....	.....
462774	Molex	08-50-0165	A	.....	.....	.....
736587	Molex	08-52-0113	A	.....	.....	.....
736552	Molex	08-52-0071	B	.....	.....	.....
736561	Molex	08-52-0072	B	.....	.....	.....
736659	Molex	08-56-0106	C	.....	.....	.....

† Trifurcon * Cat ear

JAMECO ValuePro® .156" (3.96mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 96-99) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use w/ crimp pin, 78319, below



* Web Code: DAN

Part No.	Cross Ref. No.	Pins	* Order in multiples of 10			
			1	10	100	1000
104433	LCH3	3	.....	.....	.....	.....
104716	LCH4	4	.....	.....	.....	.....
104723	LCH5	5	.....	.....	.....	.....
104731	LCH6	6	.....	.....	.....	.....
104766	LCH10	10	.....	.....	.....	.....

Center Crimp Pin

- 18-24 AWG
- Material: brass/tin plated

* Web Code: YAJ



Part No.	Cross Ref. No.	Positions	* Order in multiples of 10		
			10	100	1000
78319	JS-5001-T	.....	.....	.....	.....

AMP .156" (3.96mm) Female Housing

- With locking ramp
- Voltage/current rating: 250VAC @ 6.5A max.
- Material: nylon, unreinforced 94V-0
- Dielectric withstanding voltage: 2kVAC
- Insulation resistance: 1,000MΩ min.
- Hole diameter: .054" (1.37mm)
- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"

* Web Code: QBN

Part No.	Mfr. P/N	Positions	1	10	100
236224	1-640250-0	10	.....	.....	.....

♣ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

molex® AMP

.156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Insulation resistance: 1000MΩ minimum
- Dielectric withstanding voltage: 2000VAC/1 min.
- Compatible with .045" square or round posts
- Material & finish: brass, 0.012" bright tin plated
- For use with .156" AMP housings (see web)
- Order in multiples of 10

Part No.	Mfr. P/N	AWG	10	100	500
248866	640706-1	18-24	.....	.....	.....

.165" (4.19mm) Mini-Fit Jr.™ Type Contacts

- Type*: A: Tin over nickel over brass
- B: 15µ" gold over nickel over brass
- C: 30µ" gold over nickel over brass
- D: Tin over nickel over phosphor bronze

Part No.	Mfr.	Mfr. P/N	Type*	* Order in multiples of 10		
				1	10	100
304872	Molex	39-00-0047	2A	.....	.....	.....

Part No.	Mfr.	Cross Ref. No.	Type*	* Order in multiples of 10		
				1	10	100
304733	Molex	39-00-0039	2A	.....	.....	.....

Part No.	Mfr.	Cross Ref. No.	Type*	* Order in multiples of 10		
				1	10	100
401859	JamecoVP	39-00-0076	1B	.....	.....	.....
401736	JamecoVP	39-00-0170	2B	.....	.....	.....
401701	JamecoVP	39-00-0208	2A	.....	.....	.....

Part No.	Mfr.	Cross Ref. No.	Type*	* Order in multiples of 10		
				1	10	100
365835	JamecoVP	39-00-0168	2C	.....	.....	.....
401710	JamecoVP	39-00-0212	2A	.....	.....	.....
401779	JamecoVP	39-00-0218	2D	.....	.....	.....

Hand Tools for Mini-Fit Jr.™

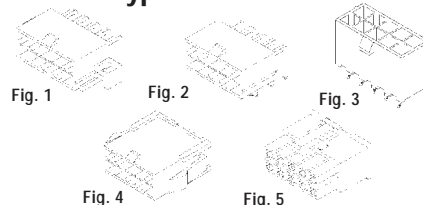


- 304928: Crimp tool wire range from 14-24 AWG
- 304936: Extraction tool
- 308030: Cuts & strips 14-24 AWG
- 227491: Cuts & strips 18-30 AWG

Part No.	Mfr. Part No.	1	5
304928	63811-1000 (Molex)	.....	.....
304936	11-03-0044 (Molex)	.....	.....
308030	W-HT-1919, 8.3"L (Red)	.....	.....
227491	W-HT-1921, 8.3"L (Yellow)	.....	.....

* .197" Socket Connectors Online — Enter Web Code BAJ

.165" (4.19mm) Mini-Fit Jr.™ Type Connectors



- Fully isolated terminals to protect contacts from damage
- Use with strain relief or overmold applications
- Positive housing lock for secure mating retention
- Uses standard Mini-Fit series terminals
- Housing: 6/6 nylon natural, UL 94V-2 rated
- UL/CSA/TUV approved

Double Row Headers

- Contact resistance: 10mΩ max. • 600V
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Right Angle with Flange – Gold Plated 30µ" (Fig. 1)

Part No.	Mfr.	Mfr. P/N	Pos.	1	10	100
304451	Molex	39-29-5043	4	.....	.....	.....

Right Angle with Flange – Tin (Fig. 1)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365552	Jameco VP	39-29-1248	24	.....	.....	.....

Right Angle Dual Row w/ Pegs – Tin (Fig. 2)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365181	Jameco VP	39-30-1040	4	.....	.....	.....
365190	Jameco VP	39-30-1060	6	.....	.....	.....
365202	Jameco VP	39-30-1080	8	.....	.....	.....
365211	Jameco VP	39-30-1100	10	.....	.....	.....
365229	Jameco VP	39-30-1120	12	.....	.....	.....

Straight without Pegs & Drain Holes – Tin (Fig. 3)

Part No.	Mfr.	Cross Ref. No.	Pos.	1	10	100
365042	Jameco VP	39-28-1243	24	.....	.....	.....

Double Row Panel Mnt Plugs w/ Mounting Ears (Fig. 4)

Part No.	Mfr.	Product No.	Pos.	* Order in multiples of 10		
				1	10	100
303685	Molex	39-01-2021	2	.....	.....	.....
303693	Molex	39-01-2041	4	.....	.....	.....
364904	Jameco VP	39-01-2121	12	.....	.....	.....

Double Row Receptacles (Fig. 5)

Part No.	Mfr.	Product No.	Pos.	* Order in multiples of 10		
				1	10	100
303562	Molex	39-01-2020	2	.....	.....	.....
303571	Molex	39-01-2040	4	.....	.....	.....
364752	Jameco VP	39-01-2060	6	.....	.....	.....
303589	Molex	39-01-2060	6	.....	.....	.....
364761	Jameco VP	39-01-2080	8	.....	.....	.....
303597	Molex	39-01-2080	8	.....	.....	.....
364787	Jameco VP	39-01-2120	12	.....	.....	.....
364795	Jameco VP	39-01-2140	14	.....	.....	.....
364841	Jameco VP	39-01-2240	24	.....	.....	.....

* Not for use with strain relief

The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

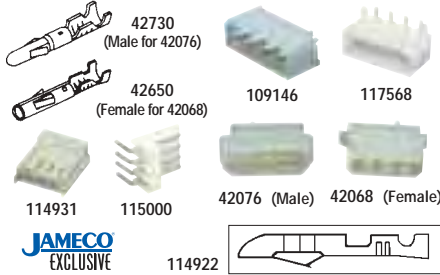
.098" (2.49mm) Pitch AT Power Connector

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Withstanding volt.: 1500V/min.
- Material: nylon
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: 0.94"L x 0.25"W x 0.74"H

* Web Code: QAT

Part No.	Description	1	10	100
78327	6-pin female housing	\$.47	\$.45	\$.41

Power Connectors & Pins



Connector & Housing Specifications:

- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

- Material: tin plated brass
- Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 143

.200" - For 5.25" Disk Drives & Power Supplies

42076 & 42068 Connector Housings:

- External key bar indicates pin 1
- Extraction tools, P/Ns 131887 & 131880 (see below)
- Keyed mating connectors
- Order in multiples of 10

* Web Code: KAP

Part No.	Description	10	100	1000
109146	4-pin M vert. PCB mtg	\$.68	\$.61	\$.55
117568	4-pin M PCB mtg, horiz. edge mnt	.85	.72	.54
42076	4-pin M housing	.12	.11	.10
42068	4-pin F housing	.20	.15	.13
42730	M crimp pin for 42076	.112	.078	.067
42650	F crimp pin for 42068	.10	.07	.06

.100" - For 3.5" Disk Drives & Power Supplies

Part No.	Description	10	100	1000
114931	4-pin F housing	\$.21	\$.19	\$.15
114922	F crimp pin for 114931	.117	.101	.085

Part No.	Description	1	10	100
115000	4-pin M rt. angle PCB mounting	\$.35	\$.33	\$.31

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5"
- See above for crimp pins

131887: Male tool for 42730, above right
131880: Female tool for 42650, above right

Part No.	Cross Reference No.	1	10
131887	HT319C	\$13.45	\$12.25
131880	HT319B	11.59	8.70



.118" Pitch ATX Power Terminal Pin

- Current rating: 7A AC/DC
- Temp range: -25°C to 85°C
- Size: 0.59"L x 0.068" Dia.
- Use with 147387, see web

* Web Code: FEM

Part No.	Description	Order in multiples of 10	10	100
147395	Power terminal pin	\$.132	\$.121	

AMP AMPMODU™ Pin & Receptacle Contacts

Standard Pressure Receptacle Contacts (MOD IV)

- Plating: A: preplated 50µ" ~ 150µ" bright tin; B: 15µ" gold in contact area, 100µ" ~ 200µ" bright tin lead, all over 50µ" nickel
- Material: phosphor bronze

* Web Code: GBG

Part No.	Mfr. P/N	Plating	* Order in multiples of 10	1	10
527486	87523-6	A	\$.16		
527419	1-87523-6	B	.26	.225	

.100" (2.54mm) Female Header Receptacles



- Gold plated contacts

* Web Code: RAH

Double Row Right Angle (Side Entry)

Part No.	Mfr.	Contacts	1	10	100	500
71159	Jameco VP	20	\$1.19	\$1.07	\$.86	\$.64

Single Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100	500
70755	Jameco VP	8	\$.67	\$.63	\$.56	\$.47
200783	Jameco VP	12	.47	.452	.429	.408
308592	Jameco VP	16	.67	.55	.36	.28
308567	Jameco VP	20	.75	.69	.57	.37

Double Row Straight (Top Entry)

Part No.	Mfr.	Contacts	1	10	100	500
70720	Jameco VP	16	\$.79	\$.75	\$.69	\$.65
70827	Jameco VP	20	1.19	1.07	.86	.64
105057	Jameco VP	30	1.09	.98	.88	.66
163862	Various	34 (Tin)	1.05	.94	.85	.64
111705	Jameco VP	40	1.42	1.27	1.09	.98

.100" (2.54mm) Keyed Shrouded Headers & Connectors

CD-ROM 4-Pin Headers and Connectors



- Pin material: tin-plated brass
- Volt. rating: 250VAC/DC
- Current rating: 3A AC/DC
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/ 1 min.
- Recommend crimp tool P/N 99443, pg 143

* Web Code: XAW

Part No.	Description	* Order in multiples of 10	1	10	100	1000
152741	Straight header	\$.49	\$.441	\$.39	\$.35	
152726	Rt. angle header	.59	.531	.472	.443	
152734	Single w/ latch	.47	.43	.39	.31	
181673	Female pins	*	.046	.042	.038	

† P/N 152734 requires 4 pins (P/N 181673)

.100" (2.54mm) AMP AMPLATCH™ IDC Ribbon Connectors



NOVO Receptacles

- Preassembled housing with cover
- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating
- Insulation displacement contacts for fast, economical mass terminations
- Dielectric withstanding voltage: 1000V

Contact Plating:

- A: 30µ" gold on localized gold plate area, 50µ" min. tin on termination end;
- B: 15µ" gold on localized gold plate area, 100µ"~200µ" tin on termination end;
- C: 15µ" gold on localized gold plate area, 100µ"~200µ" tin lead termination end, all over 50µ" min. nickel on entire area;
- D: 30µ" gold on localized gold plate area, 100µ"~200µ" bright tin lead on termination end, all over 50µ" nickel on entire contact area;
- E: 15µ" gold on localized gold plate area, 50µ" min. tin on termination end, all over 50µ" nickel on entire contact area

* Web Code: RDM

Center and Military Polarized

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
901642	1658622-1	10	A	\$1.85	\$1.20	\$1.10
525309	746285-1	10	C	1.16	1.07	.98
742215	1658621-1	10	B	1.15	.97	.90
525317	746285-2	14	C	1.55	1.32	1.22
525325	746285-3	16	C	1.43	1.35	1.31
525333	746285-4	20	C	1.31	1.24	1.20
901482	1658621-4	20	B	1.79	1.27	1.12
525413	746288-6	26	D	1.43	1.31	1.18
901520	1658621-6	26	E	2.79	1.45	1.31
525341	746285-6	26	C	1.31	1.25	1.22
525350	746285-8	34	C	1.79	1.47	1.32
525368	746285-9	40	C	2.05	1.97	1.94
525376	1-746288-0	50	D	2.85	2.56	2.36

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.



Part No.	Mfr. P/N	Description	Wt. (lbs.)	1	10
27174	M505	Bench press	7.0	\$169.95	\$149.95
27182	M507	Cable cutter	0.9	63.95	59.95

IDC Connector Crimping Tool

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W
- Weight: 1.1 lbs.



Part No.	Mfr. P/N	1	10	25
73252	HT214	\$15.95	\$14.39	\$12.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

AMP .100" (2.54mm) AMPLATCH™ Ribbon Connectors

Low-Profile Shrouded Headers w/ 0.150" End Dimension, Dual Row

- 0.120" solder tail
- 0.025" square posts
- Housing: black thermoplastic, UL94V-0 rated
- Contact: phosphor bronze



*Web Code: UCB

Contact Plating:

- A: 30µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
B: 30µ" gold on mating area, 100µ" min. tin on solder end, all over 50µ" nickel;
C: 15µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
D: copper alloy, duplex plated, 30µ" gold on contact area, 100µ" tin lead on solder area;
E: 30µ" gold, 100µ" tin-lead on solder tail

Straight (no latch)

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
496051	103309-1	10	A	.....	\$ .67	\$.65 \$.56
753571	5103309-2	14	B	.....	1.35	1.23 .98
496093	103309-5	20	A	.....	1.49	1.33 1.22
496085	103308-5	20	C	.....	1.06	.96 .87
496296	103308-6	26	C	.....	1.49	1.28 .96
737723	103309-7	34	A	.....	1.95	1.65 1.36

Right Angle (no latch)

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
737740	103310-2	14	C	.....	\$ .84	\$.79 \$.76
737774	103310-6	26	C	.....	1.95	1.76 1.41

Straight (with long latch)

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
738831	104128-4	20	D	....	\$4.15	\$3.57 \$3.25
738988	104313-4	20	D	.....	2.69	2.62 2.55

Universal Ejection Style Pin Header Assembly (Military, Center & Dual Polarized)

- 0.110" post length • Brass
- Housing: glass filled nylon or polyester

Part No.	Mfr. P/N	Pos.	Plating	1	10	100
736974	102154-6	26	E	....	\$2.69	\$2.14 \$1.92

*Latch DIP Plugs Online — Enter Web Code EAO

JAMECO ValuePro .100" (2.54mm) Low Profile Male Shrouded Headers

Straight Double Row

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Contact: phosphor bronze, gold plated
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Use with IDC socket connectors, pg 64



*Web Code: JAH

Blue P/N = Limited Quantity Available

* Order in multiples of 10

Part No.	Description	1	10	100	1000
67812	10-pin	.....	\$ .47	\$.41	\$.38 \$.34
68179	16-pin	.....	*	.176	.158 .142
68291	20-pin	.....	.49	.47	.39 .23
68371	26-pin	.....	.54	.42	.35 .21
68582	34-pin	.....	.33	.297	.268 .241
181105	40-pin	.....	1.49	1.17	.88 .61

*.200" Drive Power Connectors & Crimp Terminals Available Online — Enter Web Code ABU

Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

.100" (2.54mm) Straight Male Headers

With Standard Latch

Double Row

- 0.1" contact center
- Mount vertical
- Keying slot
- Use with IDC socket connectors, pg 64

*Web Code: VAQ



Part No.	Mfr.	Pins	1	10	100	500
117664	Jameco VP	10-pin	.....	\$1.55	\$1.38 \$1.18	\$.73
1928169	On Shore	16-pin	.....	.49	.39 .29	.25
71830	Jameco VP	20-pin	.....	11.95	10.49 9.49	1.28
2076375	CW Ind.	20-pin	.....	1.25	.99 .75	.59
71933	Jameco VP	26-pin	.....	1.59	1.43 1.27	1.19
1928177	On Shore	34-pin	.....	.89	.69 .55	.45
1928185	On Shore	34-pin	.....	.89	.69 .55	.45
72216	Jameco VP	50-pin	.....	1.89	1.70 1.51	1.39

† right angle



.100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins

*Web Code: YAL



- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 60)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use 159266 pin crimper, pg 144 & 100766 crimp pin

Single Row

* Order in multiples of 10

Part No.	Cross Ref.	Contacts	1	10	100	1000
100812	SCH2	2	.....	\$ .26	\$.23 \$.21	\$.17
157383	SCH3	3	.....	.27	.24 .22	.18
100803	SCH4	4	.....	.31	.28 .26	.21
163686	SCH5	5	.....	*	.062 .056	.05
103212	SCH6	6	.....	.45	.40 .38	.28
103203	SCH8	8	.....	.45	.40 .38	.28
103191	SCH10	10	.....	.42	.39 .36	.31
103182	SCH20	20	.....	.62	.56 .45	.33
103158	SCH36	36	.....	.54	.486 .432	.389

Double Row

*Web Code: SAM

Part No.	Cross Ref.	Contacts	1	10	100	1000
103254	DCH8	8	.....	\$ .59	\$.53 \$.45	\$.39
157421	DCH10	10	.....	.73	.65 .58	.52
157438	DCH14	14	.....	.26	.23 .207	.186
103238	DCH16	16	.....	.87	.78 .70	.64
103230	DCH20	20	.....	.99	.89 .79	.69
157462	DCH40	40	.....	.60	.55 .48	.45
157472	DCH50	50	.....	.65	.59 .47	.35

Crimp Pins for Single/Double Row Housings

* Order in multiples of 10

*Web Code: XAL

Part No.	Cross Ref.	Contacts	10	100	1000
100766	FCH1	Female pin	\$.16	\$.127 \$.083
145358	MCH1	Male pin15	.135 .12

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3M .100" (2.54mm) IDC Wiremount Socket Connectors

0.100" x 0.100" for 0.050" Pitch Cables

- Insulation: glass filled polyester (PBT), gray, UL94V-0
- 100µ" nickel underplating & U-slot; 30µ" gold wiping area
- Copper alloy contacts
- Current rating: 1A
- Withstanding voltage: 1000V_{RMS}
- Insulation resistance: 1MΩ @ 500VDC
- Accepts 26-28AWG solid or stranded wires
- Open end, center bump, military



*Web Code: ADV

3000 Series With Strain Relief

Part No.	Mfr. P/N	Positions	1	10	50
1576407	3421-6620	20	.....	\$3.99	\$3.36 \$3.10

8000 Series With Strain Relief

- Contact: phosphor bronze, 30µ" nickel underplating
- Without center bump

Part No.	Mfr. P/N	Positions	1	10	100
1578074	89110-0001	10	.....	\$ .86	\$.72 \$.69

JAMECO ValuePro .100" & 2mm IDC Socket Connectors

Double Row

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 60)
- Contact material: phosphor bronze w/ 1µ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimper P/N 73252, pg 63

*Web Code: QAE

Polarized

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32492	S10	10	.....	\$ .31	\$.265 \$.20	\$.16
153948	S14	14	.....	.32	.27 .21	.16
119467	S16	16	.....	.37	.31 .23	.18
32522	S20	20	.....	.53	.43 .32	.25
32564	S26	26	.....	.49	.358 .297	.195
32644	S34	34	.....	.53	.42 .38	.27
32679	S40	40	.....	.73	.68 .61	.49
100386	IDC44	44 (2mm)	.....	.99	.89 .71	.53
32708	S50	50	.....	.74	.65 .449	.337
32759	S60	60	.....	1.15	1.05 .97	.59

Non-Polarized

Part No.	Cross Ref.	Contacts	1	10	100	1000
138376	SN10	10	.....	\$ .35	\$.32 \$.28	\$.24
138325	SN20	20	.....	.87	.67 .52	.39
138333	SN26	26	.....	.33	.30 .27	.243
138341	SN34	34	.....	.45	.40 .35	.263
138350	SN40	40	.....	.49	.45 .39	.29
138368	SN50	50	.....	.91	.81 .62	.46

JAMECO ValuePro .100" IDC Plug Connector

Double Row

- Shrouded header without mounting ears • Plastic
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors above



Part No.	Cross Ref.	Contacts	1	10	100
29217	P50	50	.....	\$1.95	\$1.66 \$1.25

*Universal Connectors Online — Enter Web Code GAU

100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing 42674
- Uses 28 AWG flat ribbon cable, pg 46
- Plastic with gold-plated contacts
- Current rating: 1A



*Web Code: KEF

Part No.	Cross Ref. No.	Width	Contacts	1	10	100
42657	609-14	0.3"	14	.....	\$0.55	\$0.468
42674	609-16	0.3"	16	.....	.65	.53
104097	609-20	0.3"	20	.....	.83	.71
99670	609-28	0.6"	28	.....	.89	.80
42712	609-40	0.6"	40	.....	1.79	1.19

*Four Wall Headers Online — Enter Web Code LDV

*Metric Connectors Online — Enter Web Code XAY

*Stud Kits Online — Enter Web Code WDL

PC Card-Edge Connectors

- Fits all PC boards
- 0.054" to 0.070" thick

Solder Eyelet 0.140" Spacing Between Rows

- Contact centers: 0.156"
- With mounting ears

Part No.	Mfr.	Position	1	10	100
39117	Jameco VP	6/12	.....	\$2.95	\$2.65

Solder Tail 0.200" Spacing Between Rows

- Contact centers: 0.100"
- Without mounting ears
- Tin

Part No.	Mfr.	Position	1	10
40694	Jameco VP	31/62 (PC/AT)	.....	\$0.98
1945049	Various	50/100	.....	.79

*Card Edge Connectors Online — Enter Web Code YEE

*Card Extenders Online — Enter Web Code PAA

*Crimp Terminals Online — Enter Web Code NBB

*PBC Connectors Online — Enter Web Code EEN

60 Series DIP Headers

*Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100µ" min., tin
- Contact rating: 2A
- Operating temp.: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads



Part No.	Mfr. P/N	Pos.	W (in.)	1	10	100
291120	08-600-10	8	0.300	.....	\$1.08	\$1.02
291312	14-600-10	14	0.300	.....	1.55	1.34
291574	16-600-10	16	0.300	.....	1.69	1.49

* Center to center pin width

Compare products online to quickly find the products you want with real time product availability and specifications. Purchasing products has never been easier.

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*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

*Web Code: UBP

QUANTITY 100

Part No.	Mfr. P/N	Width	Pins	1	10	100
37130	14HP	0.3"	14	.....	\$1.55	\$1.34
37331	16HP	0.3"	16	.....	2.15	1.93

Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug — brass; socket — phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic



Sockets with Hood and 180° Clamp

*Web Code: WBP

Part No.	Mfr. P/N	Contacts	1	25
248807	S-302-CCT	2	.....	\$3.35
248823	S-304-CCT	4	.....	5.09
248831	S-306-CCT	6	.....	5.79
427952	S-315-CCT	15	.....	11.19

Plugs with Hood and 180° Clamp

Part No.	Mfr. P/N	Contacts	1	25
248760	P-302-CCT	2	.....	\$2.59
248786	P-304-CCT	4	.....	4.95
248794	P-306-CCT	6	.....	5.45

Series 2400 Multiple-Density Solder-Eyelet Connector

- Current rating: 15A
- Current resistance: 1mΩ max.
- Operating voltage: 250VAC
- Plug prongs are 0.250"W x 0.55"H.
- For use in cable-to-cable & cable-to-panel applications
- Socket contacts have solder eyelets with 0.093" dia.
- Insulation material: molded monoblock, general purpose phenolic, black
- Contact plating: cadmium
- Contact material: plug—brass; socket—phosphor bronze
- Hood material: formed metal with dielectric liner

*Web Code: LCA

Plug with Hood and 180° Clamp

Part No.	Mfr. P/N	Contacts	1	25
428197	P-2408-CCT	8	.....	\$11.85

Mini DIN & DIN Panel Mount Female Sockets



- With solder lugs
- Metal body

*Web Code: FAB

Part No.	Cross Ref.	Description	1	10	100
2076754	MDPM5	5-pin mini DIN	\$1.19	\$1.95	\$1.49
2076762	MDPM6	6-pin mini DIN	1.95	1.29	1.49
2076771	MDPM8	8-pin mini DIN	1.95	1.39	1.59
15843	DINJ5	5-pin DIN	.....	.75	.59
15852	DINJ6	6-pin DIN	.....	1.05	.85
15861	DINJ8	8-pin DIN	.....	1.19	.99

Mini-DIN & DIN PC Mount Right Angle Female Sockets



- Set back: 0.5"
- 119474: Plastic/metal body
- 29399: Plastic body

Unshielded

Part No.	Cross Ref. No.	Description	1	10	100
29399	RD5	5-pin DIN	.....	\$0.65	\$0.56
29410	RD8	8-pin DIN	.....	.99	.79

Shielded

Part No.	Cross Ref. No.	Description	1	10	100
140791	MDR4S	4-pin mini DIN	.....	\$0.62	\$0.56
2076720	MDR6S	5-pin mini DIN	.....	.89	.75
119474	MDR6S	6-pin mini DIN	.....	.89	.75
207722	MDR8S	8-pin mini DIN	.....	.99	.89
2076746	MDR9S	9-pin mini DIN	.....	1.19	1.09

Mini-DIN & DIN Plugs & Receptacles



- Solder barrels w/ strain relief
- See pg 47 for cable

Part No.	Pins	Type	1	10	100
142262	6	Mini DIN plug	.....	\$0.99	\$0.89
177244	6	Mini DIN recep.	.....	1.09	.99
111878	8	Mini DIN plug	.....	1.09	.99
177236	8	Mini DIN recep.	.....	1.19	1.09
15879	5	DIN plug	.....	.54	.459
180873	5	DIN receptacle	.....	.75	.59
15887	6	DIN plug	.....	.65	.49
15895	8	DIN plug	.....	.69	.55

*Keyboard Adapters Online — Enter Web Code RAV

PCB Centronics Connector

- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body
- PC mount

*Web Code: VAJ

Part No.	Description	1	10	100
72151	36-contact F, rt angle	.....	\$2.95	\$2.49

SCSI Adapter

- DB25 female to HDB50 male SCSI II

Part No.	Description	1	10	50
167370	DB25 F to HPDB50 M	.....	\$1.39	\$1.29

D-Sub 9-Pin to 25-Pin Serial Adapter

- For use in AT or other computer systems that have 9-pin D-sub serial ports
- 664296: Thumbscrews on both sides

*Web Code: AAA

Part No.	Description	1	10	100
10305	DB9 F to DB25 M	.....	\$3.15	\$2.68
664296	DB9 M to DB25 M	.....	2.49	2.12

Computer Cable Connectors & Sockets

3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC HOUSE BRANDS FACTORY OVERRUN

D-Sub 9-Pin to 25-Pin Serial Adapters

10321: For PC/XT systems with DB25 serial ports.

139985: gold-plated contacts, extra long thumbscrews

Part No.	Description	★ Web Code: AAA	1	10	100
10321	DB9 M to DB25 F	.....	\$4.49	\$3.79	\$3.19
189632	DB9 M to DB25 M	.....	3.49	3.15	2.85
139985	DB9 F to DB25 F	.....	2.35	2.12	1.90

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Ribbon cable with header connector
- Length: 12"

355688: 1 serial port

149623: 1 parallel port; 149614: 2 serial ports

Part No.	Description	1	10	25
355688	DB9M to 10-pin header F	\$4.75	\$4.19	\$3.54
1952665	DB9F to 10-pin header F	3.95	3.49	2.95
149614	DB9M to 10-pin header & DB25M to 10-pin header	3.95	3.49	2.95
149623	DB25F to 26-pin header F	4.29	3.65	3.29

Computer Card Brackets

- For securing cards into bus slots
- Fits PC/XT/AT cases
- Length: 4.75"
- See pg 57 for DB connectors

Part No.	Description	Fig.	1	10	100
101717	For DB9 connector	1	\$.40	\$.371	\$.334
101733	For DB25 connector	2	\$.45	\$.40	\$.36
101741	For DC37 connector	3	\$.99	\$.89	\$.80
101831	For DB9/DB25 conn	4	\$.73	\$.66	\$.59

Full Handshaking Null Modem Adapters

Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.

Internal pin configuration:

17224: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20

26243: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243	DB25 M to DB25 F	\$2.65	\$2.40	\$2.15
17224	DB25 F to DB25 F	3.49	2.95	2.29

USB-A & B Connectors

1.0 & 2.0 Female Connectors



- PC mount right angle with board locks

2076551: Dual

Part No.	Mfr.	Description	1	10	100	1000
161024	Jameco VP	USB-A 1.0	\$.86	\$.77	\$.62	\$.465
2076551	KobiConn	USB-A 2.0	\$.99	\$.79	\$.49	\$.35
230958	Jameco VP	USB-B 2.0	\$.99	\$.85	\$.55	\$.42

PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	10	25
645351	13"	USB adapter ...	\$13.99	\$13.39	\$12.65

Slim-Line D-Sub Gender Changers



For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)

Part No.	Description	1	10	100
18498	9-pin male to male	\$4.95	\$4.49	\$3.99
18489	9-pin female to female	5.85	5.29	4.70
1945321	9-pin male to female (pass thru)	1.95	1.75	1.49
56071	15-pin male to male	3.95	3.49	2.95
56063	15-pin female to female	4.15	3.74	3.35
119320	15-pin female to female HD	4.75	4.28	3.84
119301	15-pin male to male HD	4.95	4.49	3.99
326537	15-pin male to female (pass thru)	1.95	1.49	.99
1945330	15-pin male to female HD	3.49	2.49	1.95
18447	25-pin male to male	5.95	5.06	4.46
18420	25-pin female to female	3.59	3.25	2.92
170085	25-pin male to female (pass thru)	2.95	2.65	2.35

★ Standard Gender Changers Online — Enter Web Code LAB

SIMM Vertical Sockets

- Locking tabs
- Tinned contacts
- Keyed mounting posts
- Memory module sockets

Part No.	Description	1	10	100	500
100302	Single x 30-pin, vert	\$1.95	\$1.69	\$1.39	\$1.19
1954754	Single x 72-pin, vert	2.95	2.49	1.95	1.49
1954746	Dual x 30-pin, vertical	2.95	2.49	1.95	1.49
1954762	Dual x 72-pin, vertical	3.95	3.49	2.95	2.49

★ DIMM Sockets Online — Enter Web Code BEN

Low Profile ZIF Sockets

Series 526

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact res.: 10mΩ max.
- Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm)
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" (0.89mm) Dia.

Part No.	Mfr. P/N	Pins	L" x W"	1	10	100
296788	24-526-10	24	1.45 x .75	\$5.65	\$5.19	\$4.39
102745	28-526-10	28	1.64 x .75	7.65	5.44	4.93
102753	40-526-10	40	2.24 x .75	9.25	8.41	7.15

High Temp. Universal ZIF Test Sockets

Series 6554

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel
- -11: 10µ" gold over 50µ" nickel
- Operating temperature:
 - 10: 221°F (105°C) – tin plating
 - 11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle
- Insulation res.: 1000MΩ
- Dielectric withstanding voltage: 1000VAC

Part No.	Mfr. P/N	Pins	L" x W"	1	10	100
103992	24-6554-10	24	1.8 x 0.9	\$9.09	\$8.20	\$7.23
104003	28-6554-10	28	2.0 x 0.9	11.65	8.26	7.50
104012	32-6554-10	32	2.1 x 0.9	9.95	8.49	8.29
104030	40-6554-10	40	2.5 x 0.9	11.85	10.29	9.92
295162	28-6554-11	28	1.4 x 0.9	12.15	10.62	10.28
295209	32-6554-11	32	1.6 x 0.9	13.59	11.89	11.56
295233	40-6554-11	40	2.0 x 0.9	16.25	14.19	13.79

SOIC/SOJ to DIP Adapters

- SOIC package
- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.
- Center pins: 0.300" (7.62mm); except P/N 292040: center pins: 0.600" (15.24mm)

Part No.	Mfr. P/N	Pins	L" x W"	1	10	100
291208	08-350000-10	8	4.00 x .46	\$6.85	\$5.72	\$5.26
291515	16-350000-10	16	.800 x .45	7.99	6.41	5.52
292040	24-650000-10	24	1.2 x .70	15.25	9.15	8.75

★ Blue Part No. = Limited Quantity Available

★ PGA Sockets Online — Enter Web Code WAH

PLCC SMT Sockets

- Housing: high temperature thermoplastic, UL94V-0
- Voltage current rating: 250V, 1A
- Contact resistance: 200MΩ max.
- Contacts: phosphor bronze/tin lead
- Insulation resistance: 5000MΩ min.

Part No.	Product No.	Pins	1	10	50	100
2004822	850-20SMT	20	\$.65	\$.55	\$.49	\$.39
2005286	850-28SMT	28	.69	.59	.55	.49
2004831	850-32SMT	32	.75	.65	.59	.55
152688	850-44-PPST	44	.79	.69	.65	.59
2005294	850-52SMT	52	.89	.79	.69	.65
1954771	PLCC69802	68	.99	.85	.75	.69
2004849	850-84SMT	84	1.19	.99	.79	.65

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★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

★ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

JAMECO ValuePro PLCC Thru-Hole Sockets

- Solder tail allows through-hole board patterns in .100" grid
- Body height: .375"
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: .125"

*Web Code: YAH
NEW
MARKED IN PINK

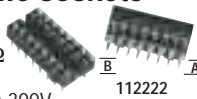


Part No.	Cross Ref.	No.	Pins	1	10	50	100
71263	G1P428	28	.....	\$.75	\$.65	\$.55	\$.49
71811	G1P32	32	.....	.79	.69	.59	.55
71618	G1P444	44	.....	1.19	1.15	.99	.85
72442	G1P452	52	.....	1.09	1.05	.95	.85
71968	G1P468	68	.....	1.25	1.05	.95	.67
71977	G1P484	84	.....	1.45	1.31	1.16	1.09

JAMECO ValuePro Dual Wipe Solder Tail Low-Profile Sockets

- Contact current: 1A
- Contact resis.: less than 5mΩ
- Body height: .188" (B)
- Dielectric withstanding volt.: 300V
- Insulation res.: greater than 1000MΩ
- Thru-hole lead length: .140" (A)

*Web Code: WAP



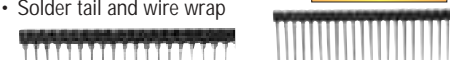
Part No.	Cross Ref.	Mfr.	Pins	Width	10	100	1000
112193	6LPD	Jameco VP	6	0.3"	\$.104	\$.074	\$.069
51571	8LPD	Various	8	0.3"	.07	.06	.05
112206	8LPD	Jameco VP	8	0.3"	.09	.08	.07
689936	ED14DT	Various	14	0.3"	.08	.06	.05
37162	14LP*	Various	14	0.3"	.09	.07	.055
112214	14LPD	Jameco VP	14	0.3"	.10	.08	.06
37373	16LPD	Various	16	0.3"	.12	.10	.08
112222	16LPD	Jameco VP	16	0.3"	.13	.11	.099
38113	18LP*	Various	18	0.3"	.10	.08	.06
689952	ED18DT	Various	18	0.3"	.12	.07	.05
112231	18LPD	Jameco VP	18	0.3"	.14	.11	.09
112248	20LPD	Various	20	0.3"	.14	.12	.10
38608	20LPD	Jameco VP	20	0.3"	.16	.14	.11
112256	22SLPD	Various	22	0.3"	.17	.15	.10
39132	22LPD	Jameco VP	22	0.4"	.113	.105	.10
39378	24SLPD	Various	24	0.6"	.174	.105	.10
112282	24SLPD	Jameco VP	24	0.3"	.19	.17	.15
112264	24LPD	Jameco VP	24	0.6"	.19	.15	.13
112266	24LPD	Jameco VP	24	0.6"	.215	.171	.152
689961	ED28DT	Various	28	0.3"	.15	.13	.11
112299	28SLPD	Various	28	0.3"	.19	.17	.15
112272	28LPD	Various	28	0.6"	.15	.13	.11
40301	28LPD	Jameco VP	28	0.6"	.19	.15	.13
689979	ED32DT	Various	32	0.6"	.17	.14	.10
112301	32LPD	Jameco VP	32	0.6"	.206	.191	.143
41111	40LPD	Various	40	0.6"	.27	.26	.19
112311	40LPD	Jameco VP	40	0.6"	.336	.274	.245

* Single wipe LP

JAMECO ValuePro Machine Contact Single-In-Line Female Sockets

- Machine tooled
- Single row
- Solder tail and wire wrap

*Web Code: KAM



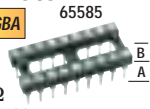
Part No.	Description	78642	104054	1	10	100
102201	10-pin	.....	.....	\$.27	\$.24	\$.21
78642	30-pin	.....	.....	.99	.88	.76
175920	36-pin	.....	.....	1.35	1.20	1.07
101283	20-pin WW2	.....	.....	1.65	1.49	1.39
104054	30-pin WW3	.....	.....	2.25	2.00	1.71

† Lead length: .435" (2) * Lead length: .575" (3)

Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze
- Thru-hole lead length: .177" (A)
- Body ht.: .117" (B)

*Web Code: GBA



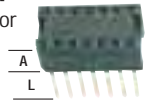
Part No.	Cross Ref.	Mfr.	Pins	Width	1	10	100
167004	6MLPT	Jameco VP	6	0.3"	\$.29	\$.26	\$.18
662573	8MLP	Various	8	0.3"	.....	.20	.17
51626	8MLP	Jameco VP	8	0.3"	.28	.25	.21
37197	14MLP	Jameco VP	14	0.3"	.44	.40	.34
37402	16MLP	Jameco VP	16	0.3"	.47	.43	.323
65585	18MLP	Jameco VP	18	0.3"	.65	.57	.492
38624	20MLP	Jameco VP	20	0.3"	.59	.55	.45
192209	22SMLP	Various	22	0.4"	.45	.35	.29
39387	24SMLP	Jameco VP	24	0.3"	.87	.77	.62
39351	24MLP	Jameco VP	24	0.6"	.78	.71	.64
652359	24MLP-GOLD	Various	24	0.6"	.79	.69	.59
114411	28SMLP	Jameco VP	28	0.3"	.85	.75	.65
184680	28ASMLP	Various	28	0.4"	.33	.298	.268
40328	28MLP	Jameco VP	28	0.6"	1.19	1.09	.79
105380	32MLP	Jameco VP	32	0.6"	.95	.85	.75
662629	40MLP	Various	40	0.6"	1.09	.95	.69
41136	40MLP	Jameco VP	40	0.6"	1.59	1.42	1.07
42060	48MLP	Jameco VP	48	0.6"	1.55	1.32	.99

* Lead length: .25"

2 & 3 Level Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Contact current: 1A
- Contact resistance: <5mΩ
- Sleeve material: brass
- Body height: .300" (A)
- Dielectric withstanding voltage: 300V
- Material: beryllium copper or phosphor bronze
- Thru-hole lead length: .438" (L2); .638" (L3)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Insulation resistance: greater than 1000MΩ

*Web Code: SAF



Part No.	Mfr.	P/N	Mfr.	Pins	1	10	100
37234	14WW2	.....	Circuit Assembly	14	\$2.85	\$2.39	\$2.02
37218	14TWW2	.....	Circuit Assembly	14	1.75	1.58	1.28
196841	14TWW3	.....	Various	14	.....	.69	.55
37480	16WW2	.....	Circuit Assembly	16	3.49	2.81	2.27
87637	18TWW2	.....	Circuit Assembly	18	2.35	2.10	1.98
75380	20TWW2	.....	Circuit Assembly	20	3.99	3.59	2.79
75416	24TWW2	.....	Circuit Assembly	24	.....	.99	.79
40353	28WW2	.....	Circuit Assembly	28	6.19	4.94	3.99
41180	40TWW2	.....	Circuit Assembly	40	3.95	3.78	3.35

Blue Part No. = Limited Quantity Available

Wire Wrap Socket I.D. Markers

- Material: plastic
- Can easily write location, part number or function
- Quick identification of pin numbers
- Slips onto socket before wrapping



*Web Code: YAG

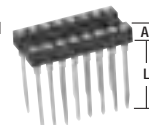
Part No.	Mfr.	P/N	Pins	Width (in.)	1	10	100
51561	8ID	.....	8	0.3	\$.43	\$.384	\$.346
37145	14ID	.....	14	0.3	.....	.35	.28
38586	20ID	.....	20	0.3	.....	.55	.495
39327	24ID	.....	24	0.6	.....	.44	.408
40299	28ID	.....	28	0.6	.....	1.33	.59

Blue Part No. = Limited Quantity Available

JAMECO ValuePro Level 3 Machine Tooled Wire Wrap Sockets

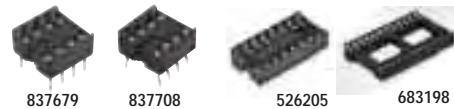
- Contact plating: gold
- Tin-plated leads
- Contact resistance: <5mΩ
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Sleeve material: brass
- Body height: .115" (A)
- Thru-hole lead length: .586"

JAMECO EXCLUSIVE



Part No.	Cross Ref.	No.	Pins	Width (in.)	1	10	100
94474	8MSWW3	8	0.3	.....	\$.64	\$.55	\$.456
62051	14MSWW3	14	0.3	.....	1.05	.88	.74
37411	16MSWW3	16	0.3	.....	1.19	1.01	.85
94482	18MSWW3	18	0.3	.....	1.15	.98	.82
38632	20MSWW3	20	0.3	.....	1.39	1.20	1.00
105372	24MSWW3	24	0.3	.....	1.65	1.49	1.32
313656	24MSWW3	24	0.6	.....	1.75	1.49	1.08
94491	24MSWW3	24	0.6	.....	1.85	1.58	1.34
200716	28MSWW3	28	0.3	.....	1.95	1.75	1.55
40336	28MSWW3	28	0.6	.....	1.89	1.60	1.52
117058	32MSWW3	32	0.6	.....	2.19	2.00	1.80
94503	40MSWW3	40	0.6	.....	2.75	2.35	1.96

AMP DIP IC Sockets



Dual Leaf Straight Solder Tail

- Phosphor Bronze w/ 15μ" Gold Plate
- Housing: glass filled thermoplastic, 94V-0 rated, black

Part No.	Mfr.	P/N	Pos.	Width	1	5	100
837679	2-640463-4	8	0.3	.....	\$.85	\$.61	\$.54

Retention Solder Tail, Beryllium Copper/Tin

Part No.	Product No.	Pos.	Width	1	10	100
837708	2-641260-1	8	0.3	.....	* \$1.99	\$.167
838090	2-641609-1	14	0.3	.....	.53	.423
911250	2-641264-1-NR	20	0.3	.....	.65	.53

Economy Ladder Style

- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating

Part No.	Mfr.	P/N	Pos.	Width	10	100	500
683091	1-390261-1	6	0.3	.....	\$.098	\$.09	\$.073
526299	390261-2	8	0.3	.....	.081	.079	.07
683104	1-390261-2	8	0.3	.....	.081	.074	.07
526192	390261-3	14	0.3	.....	.08	.076	.073
683112	1-390261-3	14	0.3	.....	.105	.095	.085
526205	390261-4	16	0.3	.....	.096	.088	.08
683121	1-390261-4	16	0.3	.....	.148	.112	.103
526213	390261-5	18	0.3	.....	.142	.133	.106
683139	1-390261-5	18	0.3	.....	.14	.127	.114
526221	390261-6	20	0.3	.....	.14	.133	.132
683147	1-390261-6	20	0.3	.....	.141	.129	.119
683163	1-390261-8	24	0.3	.....	.183	.174	.165
683198	1-390262-1	24	0.6	.....	.23	.216	.206
526248	390261-9	28	0.3	.....	.263	.223	.197
683171	1-390261-9	28	0.3	.....	.252	.224	.204
526256	390262-2	28	0.6	.....	.216	.184	.138
683201	1-390262-2	28	0.6	.....	.255	.217	.191
526272	390262-5	40	0.6	.....	.27	.248	.236
683227	1-390262-5	40	0.6	.....	.336	.304	.289

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



RF Adapters

NEW
MARKED IN PINK

* Web Code: DAX

Part No.	Product No.	Manufacturer	Description	1	10	50	100
153454	SB-321	Jameco ValuePro	SMA female to BNC male adapter	\$2.59	\$2.29	\$2.09	\$1.89
159469	CH-7830-N	Jameco ValuePro	SMA female to BNC female adapter	3.59	3.09	2.89	2.49
153593	4288	Jameco ValuePro	SMA male to BNC male adapter	4.59	4.15	3.65	3.29
159477	CH-7820-N	Jameco ValuePro	SMA male to BNC female adapter	3.95	3.55	3.23	2.89
1951924	242123	Amphenol Connex	SMA in-line jack to BNC jack	8.49	7.12	6.59	6.15
1951730	242181	Amphenol Connex	SMA bulkhead jack to BNC jack	12.89	11.58	11.19	10.25
1951801	242103	Amphenol Connex	SMA in-line jack to BNC plug	9.79	7.69	7.29	6.85
1951692	242102	Amphenol Connex	SMA in-line plug to BNC jack	5.09	4.23	3.75	3.55
1951713	242113	Amphenol Connex	SMA in-line jack to N plug	7.45	6.31	5.85	5.49
1951932	242115	Amphenol Connex	SMA in-line jack to N jack	9.39	7.79	7.29	6.85
1951668	242125	Amphenol Connex	SMA bulkhead jack to N jack	8.45	7.23	6.59	6.19
1951879	242163	Amphenol Connex	SMA jack to N jack, panel mount	9.39	7.79	7.29	6.85
1951772	242112	Amphenol Connex	SMA in-line plug to N jack	9.39	7.79	7.29	6.85
1951748	242112RP	Amphenol Connex	SMA in-line plug to N jack (reverse polarity)	9.39	7.79	7.29	6.85
207168	242114	Amphenol Connex	SMA in-line plug to N plug	9.39	7.79	7.29	6.85
114789	2421124	Amphenol Connex	SMA in-line plug to TNC jack	9.39	7.79	7.29	6.85
207176	242105	Amphenol Connex	SMA in-line jack to TNC plug	7.05	5.75	5.49	5.09
114753	242145	Amphenol Connex	SMA in-line jack to SMB plug	12.89	11.68	10.95	10.25
114770	242149	Amphenol Connex	BNC in-line jack to TNC plug	5.89	4.75	4.39	4.09
207142	BJ-7072	Jameco ValuePro	RCA female to BNC female	2.39	2.15	1.91	1.67
174255	BR312	Jameco ValuePro	RCA female to BNC male adapter	1.59	1.23	1.16	1.15
739446	BJ-7055	Jameco ValuePro	RCA male to BNC male	3.09	2.77	2.46	2.15
309657	RB312	Jameco ValuePro	RCA male to BNC female adapter	1.59	1.45	1.29	1.09
	200-108	Jameco ValuePro	BNC female to F connector male adapter	1.79	1.59	1.39	1.19
	BJ-7075	Jameco ValuePro	3.5mm mono male to BNC female	1.99	1.79	1.39	1.19
	TBC-176	Jameco ValuePro	BNC male to F connector female	2.35	1.86	1.70	1.39
	1058117-1	AMP	BNC-SMA jack-to-jack adapter	44.69	37.99	37.25	36.70
	200-045	Jameco ValuePro	RCA female to F male adapter	1.95	1.75	1.55	1.35

50Ω Type N Connectors

* Web Code: HBT

Part No.	Product No.	Manufacturer	Description	1	10	25
296454	172100	Amphenol Connex	Straight crimp plug captive contact (RG-58/58A/58C/141/303/LMR195/B7806A)	\$3.89	\$3.60	\$3.40
1956581	172123A	Amphenol Connex	Jack-to-jack adapter	4.29	3.85	3.49
659294	172123	Amphenol Connex	Jack-to-jack adapter	4.85	4.59	4.40
659307	172124	Amphenol Connex	Bulkhead jack-to-jack adapter	6.19	5.87	5.61
659315	172126	Amphenol Connex	Angled plug-to-jack adapter	8.15	7.80	7.45

* Use crimp tool 667921 (below)

*TNC Connectors Available Online — Enter Web Code EBT

75Ω "F" Connectors, Adapters & Terminators

* Web Code: BBT

Part No.	Cross Ref. No.	Manufacturer	Description	1	10	50	100
291531	200-028	Jameco ValuePro	Perma-seal, RG-6 coax	\$.81	\$.74	\$.64	\$.51
291725	200-051	Jameco ValuePro	F-jack to jack (gold)	1.39	1.22	1.14	1.04
295371	200-053	Jameco ValuePro	F-panel mount jack to jack (nickel)	.29	.259	.233	.21
295380	200-107	Jameco ValuePro	F-right angle jack to plug (nickel)	2.35	1.95	1.66	1.36
1952943	200-190	Foxconn	F-right angle PC mount jack (90° barrel)	1.75	1.49	1.25	.99

Amphenol Connex

Universal Hand Crimp Tools

Utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.

Part No.	Mfr. Part No.	Die Cavities (in.)	Cable Groups	1	5
667850	47-10070	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (BNC/TNC)	\$67.19	\$63.59
667905	47-10150	.178/.128/.068	RG-174/188/316/179/187/180/195/178/196 (BNC/TNC)	60.45	56.11
667921	47-10180	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors	54.05	52.49

Simplify your product search by entering web codes above online at
www.Jameco.com/More for additional product listings and specifications.

♣ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.









*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.













50Ω/75Ω BNC Connectors and Adapters

★ Web Code: DBT










Plugs

Part No.	Product No.	Manufacturer	Description	1	10	25
295953	112116  *	Amphenol Connex	50Ω straight crimp plug, captive contact (RG-58/58A/58C/141/303)	\$1.69	\$1.59	\$1.19
295970	112119  *	Amphenol Connex	75Ω straight crimp plug, captive contact (RG-59/62/140/210)	1.75	1.61	1.55
296016	112133  †	Amphenol Connex	75Ω straight crimp plug, captive contact (RG-179/187/B9221)	1.95	1.82	1.37
363961	31-218  ⊕	Jameco ValuePro	50Ω BNC straight adapter, plug-plug (UG-491A/U)	7.69	6.56	4.92
311327	69475  ⊕	Jameco ValuePro	50Ω BNC plug, clamp for RG-174/179/187/188/316	3.95	3.55	3.18
135618	200-141	Jameco ValuePro	BNC male with pin and ferrule (RG6)	1.35	1.15	.92
71482	200-145	Jameco ValuePro	BNC male with pin and ferrule (RG58)	1.65	1.49	1.35
71271	200-143	Jameco ValuePro	BNC male with pin and ferrule (RG59/62)	1.15	.96	.85
112110	G7409  ⊕	Jameco ValuePro	BNC male with pin and ferrule (RG174)	3.59	3.26	2.90
71781	200-142	Jameco ValuePro	BNC male twist-on (RG59/62)	1.25	1.15	1.04
311571	31-71032  ⊕	Jameco ValuePro	75Ω BNC 3-pc plug crimp, for Belden 2818 cables	3.05	2.62	2.08
188349	31-315-RFX	Amphenol Connex	Plug crimp, 3-pc.....	2.29	2.03	1.78
188306	31-320-RFX  ⊕	Amphenol Connex	Plug crimp, 3-pc.....	1.49	1.27	1.12





Jacks

Part No.	Product No.	Manufacturer	Description	1	10	25
658401	112235  †	Amphenol Connex	75Ω bulkhead crimp jack (RG-179/187/B9221)	\$3.25	\$2.76	\$2.44
658427	112424  ⊕	Amphenol Connex	50Ω receptacle jack, solder terminal	1.85	1.74	1.68
296067	112431  ⊕	Amphenol Connex	50Ω bulkhead rec. jack, isolated, solder term.	3.29	3.19	2.99
355178	31-221  ⊕	Jameco ValuePro	50Ω BNC blkhd rcptcl w/ grounding lug, solder cup (UG-1094/U)	2.29	2.09	1.95
223511	31-221  ⊕	Amphenol Connex	Bulkhead receptacle	2.15	1.86	1.65
71590	G1B235  ⊕	Jameco ValuePro	BNC female panel mount (UG-1094A)	1.95	1.80	1.65
111561	200-148	Jameco ValuePro	BNC female isolated bulkhead with washer & nut	2.29	1.99	1.79
148224	200-165	Jameco ValuePro	BNC female bulkhead feed-thru with washer & nut	1.99	1.89	1.69
148232	B-332-IF  ⊕	Jameco ValuePro	BNC female isolated bulkhead feed-thru with washer & nut	2.49	2.24	1.68
160929	B211F-58  ⊕	Jameco ValuePro	BNC female, crimp type (RG58)	1.49	1.27	1.12
161922	B211F-174  ⊕	Jameco ValuePro	BNC female, crimp type (RG174)	1.99	1.62	1.46
174290	TBC-090  ⊕	Jameco ValuePro	BNC female chassis mount	1.85	1.60	1.20
1952821	KDA1001-H0	Foxconn	BNC female R/A plastic insulation, PC mount .....	.99	.89	.75
146511	CH-7044S  ⊕	Jameco ValuePro	BNC female R/A plastic insulation, PC mount, with washer & nut	2.69	2.39	2.04
2077618	BNC-CR	Various	BNC female chassis PCB receptacle.....	1.49	1.25	.99
161656	CH-7087D  ⊕	Jameco ValuePro	BNC female right-angle, metal, PC mount	2.19	2.09	1.59

Adapters/Couplers

Part No.	Product No.	Manufacturer	Description	1	10	25
118594	200-155	Jameco ValuePro	Male to female/female T-adapter	\$2.85	\$2.58	\$2.10
72629	200-150	Jameco ValuePro	Female to female/female T-adapter	2.65	2.49	2.25
207087	BJ-7078	Jameco ValuePro	Female to male/female T-adapter	10.05	9.49	9.22
100597	40958-Y	Jameco ValuePro	Male to female/female T-adapter (180°)	6.19	5.60	5.05
207116	BJ-7082	Jameco ValuePro	Male to female/female/female T-adapter	20.55	18.49	16.65
117461	B-068  ⊕	Jameco ValuePro	Male to female/female F-adapter (90°)	4.35	3.95	3.55
71909	200-160	Jameco ValuePro	BNC female/female coupler (UG-914)	1.29	.99	.85
127343	B-311  ⊕	Jameco ValuePro	BNC male/male coupler (UG-491B/U)	2.39	2.03	1.67
127352	B-412  ⊕	Jameco ValuePro	BNC M-F right angle (DG-306B/O)	3.79	2.85	2.15
188429	31-208-RFX  ⊕	Amphenol Connex	Jack-plug-jack	4.19	3.39	2.65
658507	112445  ⊕	Amphenol Connex	50Ω jack-to-jack	2.65	2.40	2.23
296083	112446  ⊕	Amphenol Connex	75Ω jack-to-jack	2.25	1.91	1.69
658515	112461  ⊕	Amphenol Connex	50Ω T-adapter, jack-plug-jack	2.15	2.01	1.91
355152	31-219-RFX  ⊕	Jameco ValuePro	50Ω BNC straight adapter, jack-jack (UG-914/U)	3.25	2.38	2.07
311343	31-10-RFX  ⊕	Jameco ValuePro	50Ω BNC jack, bulkhead	2.55	2.12	1.71

Terminators

Part No.	Product No.	Manufacturer	Description	1	10	25
71458	B-611T  ⊕	Jameco ValuePro	BNC male terminator (50Ω)	\$1.95	\$1.42	\$1.22
71790	200-177	Jameco ValuePro	BNC male terminator (75Ω)	1.65	1.31	1.07
658540	202100  ⊕	Amphenol Connex	Male cap with chain	2.15	2.03	1.94
658523	202103  ⊕	Amphenol Connex	50Ω terminator plug	2.25	1.91	1.69
658531	202105  ⊕	Amphenol Connex	75Ω terminator plug	2.15	2.06	1.97

* Use tool 66788, pg 68

† Use tool 667905, pg 68



Interconnects

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

 RoHS compliant product

 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

SMA/SMB Connectors and Adapters

*Web Code: FBT

SMA Connectors

Part No.	Product No.	Manufacturer	Description	Plating	1	10	25
296227	132101	Amphenol Connex	50Ω straight cable plug w/ contact, 0.085 semi-rigid (RG-405U)	Gold	\$2.79	\$2.35	\$2.23
296331	132119	Amphenol Connex	50Ω bulkhead crimp jack (RG-174/188A/316/B7805A)	Gold	5.29	4.53	4.15
296374	132134	Amphenol Connex	50Ω straight jack, PCB terminals	Gold	4.79	4.53	4.31
157972	19-03F-4TGG	Jameco ValuePro	50Ω crimp type male plug connector (RG-58)	Gold	3.99	3.59	3.29
153366	4804	Jameco ValuePro	50Ω crimp type male plug connector (RG-174)	Gold	4.39	3.95	3.55
145382	19-46G	Jameco ValuePro	Straight female PCB mount connector, 4 legs	Gold	5.25	4.46	3.94
153286	SMA-7813	Jameco ValuePro	Bulkhead solder female w/ washer, rear mount (RG-58/174)	Gold	2.95	2.65	2.39
159531	CH-7814	Jameco ValuePro	Female panel mount conn., 4 mounting holes (G-58/174)	Gold	3.75	3.15	2.96
160022	CH-7815-G	Jameco ValuePro	Female panel mount conn., 2 mounting holes (RG-58/174)	Gold	4.79	3.75	3.55
160013	CH-7818-N	Jameco ValuePro	Panel mount feed thru connector female - female	Nickel	4.99	4.24	3.74
355283	901-143-6RFX	Jameco ValuePro	50Ω jack, right angle, PC mount	Gold	4.99	3.49	3.32
355304	901-9877-RFX	Jameco ValuePro	50Ω plug, crimp (RG-174/U; RG-188A/U; RG-316/U)	Gold	2.55	2.40	2.10

* Use crimp tool 667905 † Use crimp tool 667921 † Solder cup

SMA Adapters & Couplers

Part No.	Product No.	Manufacturer	Description	Plating	1	10	25
659032	132168	Amphenol Connex	50Ω plug-to-plug adapter	Gold	\$5.19	\$4.95	\$4.70
659041	132169	Amphenol Connex	50Ω jack-to-jack adapter	Gold	4.45	4.25	4.05
659059	132170	Amphenol Connex	50Ω jack-to-jack adapter, bulkhead feedthru	Gold	6.69	6.39	6.09
659067	132171	Amphenol Connex	50Ω plug-to-jack adapter	Gold	4.95	4.73	4.50
659075	132172	Amphenol Connex	50Ω right angle plug-to-jack adapter	Gold	7.99	7.27	6.97
896257	1054869-1	AMP	SMA in-series adapter, jack-to-jack, bulkhead, feedthru	Gold	24.19	22.99	20.76
153294	SMA-7817	Jameco ValuePro	Straight coupler female - jack-to-jack	Gold	4.29	3.87	3.10
161294	S-311-G	Jameco ValuePro	Straight coupler male - male	Gold	3.65	3.29	2.95
161307	S-412-G	Jameco ValuePro	Right angle coupler male - female	Gold	5.99	5.39	4.79
188509	901-144-8-RFX	Amphenol RF	PCB jack	Gold	3.19	2.56	2.49
188525	901-143-6-RFX	Amphenol RF	PCB jack	Gold	5.25	5.15	5.05

*Web Code: YBB

SMB Connectors

Part No.	Cross Ref No.	Manufacturer	Description	Plating	1	10	50
167312	24-12-2TGG-R	Jameco ValuePro	Right Angle jack, PCB mount	Gold	\$4.45	\$3.89	\$3.45
172363	24-07L-1-TGG	Jameco ValuePro	50Ω Bulkhead crimp jack	Gold	4.19	3.54	2.66
172372	24-05L-1-TGG-R	Jameco ValuePro	50Ω Cable crimp plug	Gold	3.79	2.76	2.07

Hardware

Part No.	Mfr. Part No.	Manufacturer	Description	Plating	1	5	50
740914	1-329631-2	AMP	Jam nut	Gold	* \$1.56	\$1.49	

*Web Code: RCH

* Order in multiples of 5

SMA/SMB 50Ω Coax Cables

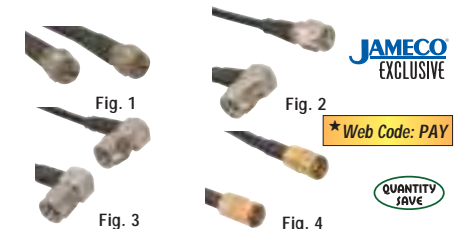


Fig. 1: SMA male to SMA male
Fig. 2: SMA male to SMA right angle male
Fig. 3: SMA right angle male to SMA right angle male
Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159371	RG-58	1	2	\$5.51	\$5.23	\$4.97
159397	RG-58	1	6	5.95	5.35	3.99
169801	RG-174	1	0.5	5.59	4.75	4.19
163855	RG-174	1	1	4.95	4.65	4.09
153382	RG-174	1	2	4.95	4.21	3.39
153391	RG-174	1	4	5.89	5.08	4.59
159451	RG-174	1	6	7.95	7.20	6.49
175127	RG-174	2	0.5	4.95	4.49	3.95
175135	RG-174	2	1	5.45	4.63	4.09
175143	RG-174	3	0.5	6.45	6.15	5.75
175152	RG-174	3	1	6.59	5.60	4.94
175178	RG-174	4	1	5.29	4.50	3.95

♣ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

BNC Male Coax Cables

Part No.	Description	1	10	50
176794	3' BNC to BNC	\$6.09	\$5.41	\$4.58

RG59/U 75 Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86472	CRG59-1	1.5	\$4.79	\$4.29	\$3.91
85543	CRG59-6	6	5.95	5.89	4.39
102373	CRG59-12	12	6.59	5.99	5.40
262730	EBC-525	25	9.95	8.95	8.05
262748	EBC-550	50	20.49	18.42	14.74
262764	EBC-510	100	29.95	26.95	21.99

*Web Code: BBD



RG58/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
181308	CRG58-1RR	1	\$4.29	\$3.95	\$3.69
102315	CRG58-1	1.5	4.39	3.99	3.59
256743	CBB-224-24	2	5.25	4.65	4.19
11404	CRG58-3	3	4.75	4.32	3.87
102331	CRG58-6	6	4.39	3.99	3.59
180822	CRG58-10	10	5.85	5.19	4.16
102350	CRG58-12	12	4.95	4.46	3.96
169818	CRG58-15	15	9.89	8.89	6.59
102357	CRG58-25	25	7.79	7.01	6.23
102365	CRG58-50	50	13.29	11.19	10.15
102381	CRG58-100	100	16.19	14.57	11.66



The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days
and even longer for Jameco House Brands.

Double Row Barrier Blocks

- Voltage rating: 250VAC_{RMS} max.
- Eyelet material: brass with nickel plating
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel w/ nickel over copper flash plating
- Solder terminal material: brass w/ electro-tin plating



231378

140 Series 15A

*Web Code: YBM

- 3750-watts/terminal max.
- 16 AWG wire max. • Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" • Density: 0.375"

Part No.	Mfr. P/N	Pos.	Length	1	10	100
230973	2-140	2	1.41"	\$1.11	\$0.85	\$0.74
230981	3-140	3	1.78"	1.85	1.42	1.21
230990	4-140	4	2.16"	1.85	1.42	1.21
231010	6-140	6	2.91"	2.29	1.74	1.49
231028	7-140	7	3.28"	2.45	1.88	1.61
231036	8-140	8	3.66"	2.89	2.30	2.01
231052	10-140	10	4.41"	3.55	2.72	2.33
231061	12-140	12	5.16"	4.19	3.29	2.97
1775983	14-140	14	5.91"	4.59	3.38	3.06

141 Series 20A

- 5000-watts/terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" • Density: 0.438"

Part No.	Mfr. P/N	Pos.	Length	1	10	100
231378	4-141	4	2.50"	\$1.89	\$1.53	\$1.34
231394	6-141	6	3.38"	2.35	1.86	1.60
231415	8-141	8	4.25"	2.95	2.39	2.05
231431	10-141	10	5.13"	3.39	2.76	2.36
231440	12-141	12	6.00"	4.15	3.58	3.06

Terminal Block Jumper

For connecting between adjacent terminals or alternate terminals.

- 2-position • Brass w/ nickel plating

Part No.	Mfr. P/N	1	25	50
448500	141J (141 series)	\$0.31	\$0.284	\$0.255

142 Series 30A

- 7500-watts/terminal max.
- 10 AWG wire max. • Size: 1.312"W x 0.625"H
- Screw: 8-32 x 5/16" • Density: 0.563"

Part No.	Mfr. P/N	Pos.	Length	1	10	100
440891	8-142	8	5.47"	\$5.55	\$5.32	\$4.73

Double Row, Y-terminal

Part No.	Mfr. P/N	Pos.	Length	1	10	100
1775991	5-142-Y	5	3.78"	\$3.69	\$2.94	\$2.53

Metric Double Row Terminal Blocks



- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- Screws: steel nickel plated • 12-18 AWG
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

*Web Code: SBG

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm

207572



Part	Cross Ref. No.	Dimensions	1	10	50
207547	GGE-20-6P	6 76.3 85.3	\$1.99	\$1.79	\$1.59
207572	GGE-20-12P	12 141.7 150.7	3.59	3.19	2.79

◆ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



Terminal Blocks and Header

*Web Code: XBD

- For detailed specifications, please see our website at www.Jameco.com
- 164814: Male header (.197") for use with 164794 and 164806



Fig. 1 (99398)



Fig. 2 (160785)



Fig. 3 (161067)



Fig. 4 (189676)



Fig. 5 (1945170)



Fig. 6 (164806)

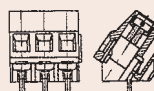


Fig. 7 (249084)

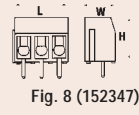


Fig. 8 (152347)



Fig. 9 (164814) use w/ Fig. 6

Part No.	Mfr.	Mfr. P/N	Fig.	Term.	Terminal Spacing	1	10	100	1000
99427	Dinkle	DT128/2	1	2	0.197"/5mm	\$.80	\$.61	\$.49	\$.44
99398	Dinkle	DT128V3P	1	3	0.197"/5mm	.99	.89	.79	.59
160785	Dinkle	EK500V-02P	2	2	0.197"/5mm	.65	.55	.45	.39
160793	Dinkle	EK500V-03P	2	3	0.197"/5mm	.99	.91	.80	.74
161067	Dinkle	EK500A-02P	3	2	0.197"/5mm	.85	.74	.55	.44
161059	Dinkle	EK500A-03P	3	3	0.197"/5mm	1.14	1.02	.87	.66
189676	OST	EDC500/2DS	4	2	0.197"/5mm	.79	.71	.64	.58
189668	OST	EDC500/3DS	4	3	0.197"/5mm	.89	.80	.72	.61
1945170	Wanxinli	WD301-2P	5	2	0.197"/5mm	.39	.29	.22	.19
1945209	Wanxinli	WD301-3P	5	3	0.197"/5mm	.41	.35	.25	.23
164794	OST	EDC130/2DS	6	2	0.197"/5mm	.65	.58	.49	.45
164806	OST	EDC130/3DS	6	3	0.197"/5mm	1.09	1.00	.90	.67
249084	OST	ED2750/3	7	3	0.200"/5.08mm	2.29	2.05	1.82	1.72
152347	OST	EDC120/2DS	8	2	0.200"/5.08mm	.65	.55	.45	.39
152355	OST	EDC120/3DS	8	3	0.200"/5.08mm	.47	.44	.39	.31
164814	OST	EDSTL130/24	9	24	0.197"/5mm	2.65	2.37	2.16	1.64

AMP Power Tap

Standard Power Tab

- Screw: steel plated
- Resistance: 2mΩ max.
- Connector body & lid: nylon 94V-0 rated
- Contact: copper alloy, bright tin-lead



Part No.	Mfr. P/N	Description	1	10
852730	55556-4	6-32 screw hole	\$3.99	\$3.80

European Terminal Blocks



- Number of poles: 12
- 1.2mm raised base
- Voltage: 600V
- Working temp.: 230°F (110°C)
- Terminal insert: brass metal alloy, nickel plated
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Wire protector: stainless steel spring (DS)
- Screws: zinc plated, yellow chromed

215011

*Web Code: CBJ

Part No.	Cross Ref.	Amps	AWG	1	10	100
215011	PA8HDS	20A	12-22	\$1.79	\$1.59	\$1.29
215029	PA10HDS	30A	10-22	2.45	2.19	1.81
215037	PA12HDS	35A	10-22	2.95	2.59	2.25



EGE Telecom Splice Connectors

- Provides clean, solid and rapid connection of wires to keep lines free of noise
- Available to handle a wide range of conductor sizes



169755: Y-type

- Order in multiples of 10

Part No.	Color	AWG	Conductors	10	100	1000
169747	Yellow	22-26	2	\$.19	\$.15	\$.14
169755	Red	19-26	3Y	.155	.144	.12

Wire Connectors

- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Twist on type
- Strip wire before application
- 182449: nylon 66, 94-2 UL/CSA approved
- 140717: PE - metal inside
- Order in multiples of 10



Part No.	Description	10	100	1000
182449	Crimp 16-14 AWG	\$.193	\$.174	\$.156
140717	Wire IDC 22-18 AWG	.09	.081	.073

* Requires crimping tool (P/N 72996, pg 72)

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

171-Pc. Solderless Terminal Kit

170 Terminals and Connectors!



- Clear, hinged plastic box
- Use crimping tool P/N 72996, below

Part No.	Description	1	10	25
10990	Solderless terminal kit	\$10.75	\$9.95	\$8.95

*Splices and Wire Caps Available Online — Enter Web Code QBZ

molex

Fully Insulated Coupler

This fully insulated nylon coupler is precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, which provides a fully insulated inline splice. This splice may be connected and disconnected without damage to the nylon insulation.

- Tab size: 0.250" x 0.032"
- Female



Part No.	Mfr. Part No.	AWG/Color	10	100	500
489766	19005-0005	14-16/Blue	\$1.13	\$1.01	\$0.91

molex

Insulkrimp® Solderless Terminal

Female Quick Disconnect

- Translucent insulator provides fast, on-line quality control inspection of the wire/terminal assembly
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires
- Material: brass • PVC insulation



Part No.	Mfr. Part No.	AWG/Color	Tab size	10	100	500
489643	19003-0017	18-22/Red	0.187" x 0.032"	\$1.53	\$1.41	\$1.23

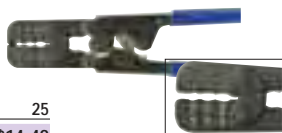
*Solderless Terminals Available Online — Enter Web Code UBT

*Ring Tongue Terminals Available Online — Enter Web Code YDD



Solderless Terminal Crimping Tool

- Size: 9.0"L x 2.0"W
- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow



Part No.	Mfr. Part No.	1	10	25
72996	HT303	\$22.49	\$18.99	\$14.49

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AMP

P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

- Temperature rating: 105°C
- Funnel ramp entry
- Meets MIL-T-7928

*Web Code: TBT



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5

Ring Tongue Terminals

* Order in multiples of 10

Part No.	Mfr. Part No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302666	36152	1	#6	22-16	Red	\$1.74	\$1.16	
302674	31890	1	#8	22-16	Red	.28	.238	.21
302738	320565	1	#8	16-14	Blue	*.168	.158	

Spade Tongue Terminals

Part No.	Mfr. Part No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851	328394	2	#2	22-16	Red	\$2.5	\$2.03	\$1.96
302869	327717	2	#4	22-16	Red	*.224	.208	
302877	34541	2	#6	22-16	Red	*.173	.158	
302885	32053	2	#8	22-16	Red	.29	.257	.232
302906	35559	2	#6	16-14	Blue	.26	.25	.194
302914	32059	2	#8	16-14	Blue	.28	.267	.206

Flanged Spade Tongue Terminal

Part No.	Mfr. Part No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303010	320862	3	#8	16-14	Blue	*.228	\$2.16	

Butt & Knife Disconnect Splices

Part No.	Mfr. Part No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
303175	320559	4	Butt	22-16	Red	\$56	\$53	\$50
303183	320562	5	Butt	16-14	Blue	.57	.53	.51

Fast-On Receptacles

Part No.	Mfr. Part No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303255	640917-1	5	.187 x .020	22-18	Red	\$2.5	\$2.12	\$1.76
303280	640903-1	5	.250 x .032	22-18	Red	*.16	.14	
303327	640905-1	5	.250 x .032	16-14	Blue	*.20	.178	
303343	640907-1	5	.250 x .032	12-10	Yellow	*.229	.217	

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Temperature to 105°C
- Use with crimping tool P/N 72996, left
- Order in multiples of 10



*Web Code: WAM

Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103684	Ring solderless	#6	22-16	Red	\$1.11	\$0.93	\$0.7
103588	Spade solderless	#6	22-16	Red	.119	.084	.07
103596	Spade solderless	#8	16-14	Blue	.132	.085	.075

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106922	Female	.187"	22-16	Red	\$1.2	\$1.02	\$0.77
103668	Female	.25"	22-16	Red	.15	.10	.075
109112	Female w/ hood	.25"	22-16	Red	.204	.132	.066

AMP

Solistrand Uninsulated Terminal

Designed to terminate solid and stranded wire, irregular shaped conductors, and combinations of these – still retaining the superior performance and characteristics of single purpose terminals and splices. Corrosion resistant, vibration resistant and tensile strength of these terminals and splices are well within the limits of commercial military applications.



*Web Code: UDD

Ring Tongue Terminal

Order in multiples of 10

Part No.	Mfr. Part No.	Stud Size	Wire (AWG)	10	100
844289	34107	#6	22-16	\$1.48	\$1.43

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

2.5VDC – 24VDC Motors

JAMECO ReliaPro



Part No.	Product No.	Manufacturer	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing		
						Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
238465	RF-310TA-11400 (CCW)	Jameco ReliaPro	14	2.5	1-6	0.06	2190	3.3	75	Solder	0.078	0.700	0.962 x 0.712	\$2.99	\$2.55	\$1.91
238458	RF-300PA-11400 (CW)	Jameco ReliaPro	15	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.200	0.960 x 0.504	4.35	3.70	2.77
1939589	FF-130RH-15210	Mabuchi Motor	1	3	1-4	0.17	4280	5.8	—	0.08"/solder	0.08	.24/.21	0.79 x 0.98	1.19	.99	.75
1951449	QJT-260-18130	Jameco ReliaPro	10	3	1.5-4.5	0.46	4780	10.0	—	Solder	0.078	0.314	0.944 x 1.071	1.59	1.50	1.45
154923	ST-130-22770	Star Motor	2	3	1.5-3	1.150	12500	10.3	40	0.09"/solder	0.08	0.37	0.79 x 1.13	1.39	1.18	1.04
2078231	18-2760	Sun Motor	3	3	1.5-3	0.35	13800	18.5	—	0.11"/solder	0.08	0.25	0.93 x 1.07	.99	.79	.59
211246	RC-260RA-2670	Mabuchi Motor	3	4.5	3-4.5	1.430	15290	21.8	53	0.11"/solder	0.08	0.28	0.93 x 1.06	1.05	.94	.71
238511	RF-500TB-12560	Mabuchi Motor	16	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	3.95	3.49	2.75
232144	FF-050S-11170	Jameco ReliaPro	12	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	3.05	2.58	1.94
177498	RC280RA-2485	Mabuchi Motor	4	7.2	3-14	1.180	14260	33.3	57	0.11"/solder	0.08	0.43	0.95 x 1.20	2.19	1.85	1.65
1955669	DN26-T41NIB	Canon	8	12	4-12	0.25	2200	34.33	—	0.11/solder	0.08	0.30	1.01 x 1.00	1.19	.99	.79
174693	21226-384221	Johnson Electric	5	12	9-14	0.015	3000	85.06	—	0.11"/solder	0.08	0.69	0.97 x 1.19	2.95	2.65	2.45
232013	MD5-12160	Jameco ReliaPro	13	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
231732	PC-130SF-09480	Jameco ReliaPro	11	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.29	1.95	1.48
238473	RF-370CA-15370	Jameco ReliaPro	17	12	3-12	0.17	4840	187	75	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
206949	QJT360S14280	Nichibo	6	12	9-30	0.350	4930	44.5	52	0.11"/solder	0.09	0.45	1.09 x 1.30	2.15	1.83	1.37
667411	RF270RH-12370	Mabuchi Motor	7	12	6-15	0.140	5130	19.2	—	0.08"/quick conn.	0.08	0.59	0.96 x 1.21	1.25	1.09	.89
1586031	FK-260SA	Mabuchi Motor	1	12	12-24	0.027	5800	14.8	—	0.08"/solder	0.08	0.42	0.96 x 1.06	1.59	1.39	1.25
1810099	FK-260SA (14280)	Mabuchi Motor	1	12	12-24	0.063	8600	14.8	—	0.08"/solder	0.08	0.43	0.96 x 1.06	1.25	1.09	.99
1586058	FK130RH-10450	Mabuchi Motor	8	12	6-18	0.036	9750	8.9	—	0.08"/solder	0.08	0.31	0.80 x 0.99	1.75	1.39	1.19
232022	MD5-1885	Jameco ReliaPro	13	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.95	2.65	2.29
232047	MD5-2445	Jameco ReliaPro	13	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43
1586023	RK370C	Mabuchi Motor	5	24	12-30	0.15	3850	19.3	—	0.08"/solder	0.08	0.67	0.96 x 1.21	1.95	1.49	1.19
1586040	RS365PH-11240	Mabuchi Motor	9	24	9-28	0.070	10700	411	—	0.11"/solder	0.09	0.49	1.08 x 1.28	2.95	2.75	2.49

*Web Code: FBN

QUANTITY SAVE

KAE

Industrial Motion Controllers for Brush, Brushless & Stepper Motors

- 323942:** • For brush-type DC motors with 2 or 3 channel incremental encoders
 • P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
 • Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
 • Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

*Web Code: QBV



- 323951:** • For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
 • High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply • Amplifier capable of driving 6A continuously @ up to 48VDC
 • Support for linear & circular interpolation using the PIC-SERVO CMC chipset

- 184997:** • Trapezoidal position profiling, velocity mode, up to 50,000 steps per second
 • Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply • Integrated indexer and driver for 2 or 4 phase stepper motors

Part No.	Manufacturer P/N	Description	Size (L x W x H)	1	10
323942	KAE-TOV10-BDV1	PIC-SERVO motor control board	3.1" x 2.1" x 0.9"	\$169.55	\$152.59
323951	KAE-TOV10-BD3PHV1	PIC-SERVO 3PH motor control board for brush or brushless motors	3.1" x 3.1" x 0.9"	241.99	218.00
184997	PIC-STEP	PIC-STEP motor control board	3.1" x 2.1" x 0.9"	159.95	143.95

Multi-Stepper Motor Control Board

- Current-mode coil driver up to 2A/45V
- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- High-speed serial communication interface 9.6kbps-230.4kbps
- Linear acceleration/deceleration capability up to 8500 step/sec.
- Full step (monophasic and biphasic), half step and external driver modes
- Simultaneous/independent control of up to 16 stepper motorsthrough a single serial port
- 26 digital I/O and two SPI interfaces for control of external devices

*Web Code: VBA



Shown w/ motors - not included

Part No.	Description	Size (L x W x H)	1	10
168729	Stepper motor control board	7.7" x 5.0" x 1.0"	\$399.95	\$379.95



RMV856-ET Stepped Motor Controller

- Internal step register counts up to 16 million steps per motion
- CMOS, +5V device combines high performance with low cost
- 8 digital I/Os can be addressed individually by one command
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Internal or external direction control and separate limit switch for interfacing

*Web Code: VBA

Part No.	Package	Description	1	10
355186	DIP-40	Stepper motor controller	\$45.95	\$39.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Stepper & Vibrating Motors

3 LEVELS OF SAVINGS
FRANCHISE SOURCES
GENERIC HOUSE BRANDS
FACTORY OVERRUN

JAMECO ReliaPro

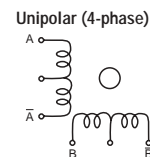
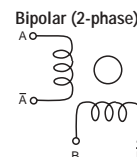
Bipolar & Unipolar Stepper Motors

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 159, for shaft coupler

QUANTITY SAVE

★ Web Code: UBN



Part No.	Cross Ref. No.	Mfr.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																			1	10	50
237569	57BYG009	JRP	3	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	\$31.95	\$27.95	\$20.95
237614	57BYGH801	JRP	4	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	32.95	29.95	22.95
237535	42BYGH102	JRP	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	21.55	19.38	17.46
1581231	PX243M-01AA	OMR	1	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	—	9.95	8.95	7.95
237552	57BYG008	JRP	3	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	33.95	30.45	26.95
237623	57BYGH802	JRP	4	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	41.49	37.39	33.64
237607	57BYGH001	JRP	4	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	36.89	33.21	29.99
237825	25BY4801	JRP	6	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.79	8.13	7.55
237674	35BY48B06	JRP	7	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	9.49	8.49	7.59
223870	57BYG070	JRP	3	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	52.45	44.57	33.42
237631	57BYGH803	JRP	4	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	59.95	54.95	39.95
172646	42BYG205	JRP	3	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	21.35	18.15	13.61
224022	42BYG016	JRP	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	21.39	19.90	18.89
155433	42BYG228	JRP	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.55	18.64	16.70
237543	57BYG007	JRP	3	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	36.25	30.79	23.84
238538	42BYGH404	JRP	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	22.05	19.83	17.85
162027	57BYG084	JRP	3	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.75	29.65
237489	39BYG001	JRP	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	19.95	16.29	12.95
237578	57BYG061	JRP	3	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	37.95	29.95	26.95
237519	42BYG017	JRP	2	Bipolar	6.3	1.8	15	420	16	150	1400	1.22	0.10	0.20	0.51	1.67	1.34	0.50	18.19	15.45	11.58
155460	42BYG023	JRP	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	20.95	18.99	17.51
237472	39BYG401A	JRP	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.49	19.49	17.49
1585653	KP35FM2-044	JPN	9	Bipolar	24	1.8	8	500	7.8	90	700	1.45	0.09	0.197	0.90	1.62	1.05	0.32	6.95	5.95	4.95
454475	41118S-62-07	LIN	8	Bipolar	24	1.8	0.6	2500	.93	—	3240	1.73	0.10	0.190	0.50	1.67	1.34	0.51	12.95	11.49	9.95

*155460: Dual shaft Blue Part No. = Limited Quantity Available

JAMECO ReliaPro

1.3VDC & 3VDC Vibrating Motors

• Typical applications: cellular phones, pagers and toys

★ Web Code: NBC

JAMECO EXCLUSIVE



Fig. 1

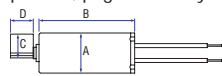


Fig. 1



Fig. 2



Fig. 3

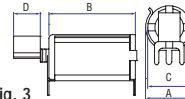


Fig. 3

QUANTITY SAVE

Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia. " x Depth"	Shaft Size (C x D) Dia. " x Length"	Pricing		
									1	10	100
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$4.95	\$4.49	\$3.35
256306	62K003	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.24
256365	72K692	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	3.95	2.96
256382	72K681	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	3.95	3.15
256314	62K053	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.80	2.10
256331	62K261	3	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC term.	0.27 x 0.48	0.11 x 0.11	3.29	2.99	2.69
256090	42K091	2	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85

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* JPN = Japan Servo | JRP = Jameco ReliaPro | LIN = LIN Engineering | OMR = Orient Motor

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

6, 12 & 24VDC Reversible Gear Head Motors

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

GH30GM Series

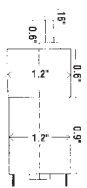
* Web Code: KBB

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
170642	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	\$27.35	\$23.25	\$20.93
153438	GH12-1045Y	12	3.0 - 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159418	GH12-1921Y	12	4.5 - 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	26.19	23.59	21.25
162191	GH12-1324Y25	12	4.5 - 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	17.79	16.01	14.44

JAMECO EXCLUSIVE



159418



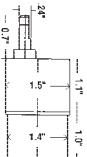
GH30GM Series

GH35GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
155012	GH12-1926	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$21.95	\$19.79	\$17.79
155821	GH12-1830Y-P	12	4.5 - 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	22.89	20.63	18.54
155839	GH12-1641T-L	12	3.0 - 12	250	20	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	25.95	23.95	21.45
152911	GH12-1926Y	12	4.5 - 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	24.95	22.95	20.95
151441	GH12-1632TI	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155855	GH12-1641T-F	12	3.0 - 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	24.75	22.30	20.00
155863	GH12-1926Y-F	12	4.5 - 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	24.95	21.95	17.95
161374	GH12-1345T	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.59	19.45
161382	GH12-1634T	12	4.5 - 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
164786	GH12-1640Y	12	4.5 - 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	28.95	26.95	19.95
176050	GH12-1640Y00	24	12 - 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.64	16.95
176032	GH24-1640Y06	24	12 - 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	24.95	21.95	15.95
176023	GH24-1640Y19	24	12 - 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	28.49	25.59	22.99



155012



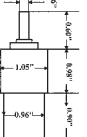
GH35GM Series

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
167039	GH12-0953Y	12	4.5 - 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	\$19.05	\$17.10	\$15.39
167047	GH12-1828Y	12	4.5 - 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	24.79	22.29	20.09



167039



HN27GD Series

32GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
										1	10	50
253307	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	\$20.65	\$17.55	\$13.16



253307



32GM Series

38GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Current (mA)	Speed (RPM)	Torque (g-cm)	Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
										1	10	50
253534	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	\$21.85	\$19.71	\$14.78
253527	38-009	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.70
253500	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.79	18.52	17.59
253497	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	20.39	17.33	15.29
253490	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	20.75	17.64	15.56
253446	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.69



253446



38GM Series

120VAC Gear Motor

6.0 RPM - 2.9 Watt

- Torque: >3.6 kg-cm
- Connector: 12" wires
- Operating voltage: 120VAC @ 60Hz
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

* Web Code: KBB



Part No.	Cross Ref. No.	Shaft diameter	Shaft Length	Size	1	10	100
213488	50TYZ	0.27"	0.65"	2.0"Dia. x 1.0"Thick	\$14.95	\$12.49	\$10.95



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Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

12VDC Solenoid Valve

- Current: 350mA
- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- Air leakage: 4psi, 1c.c./min. max.
- 0.250" quick disconnect terminals
- Operational temp.: -29°C to 85°C



* Web Code: MEJ

Part No.	Description	1	10	100
169835	Solenoid valve	\$9.95	\$8.95	\$7.49

12VDC Power Solenoid

- 12VDC
- 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers
- Size: 1.86" x 3" base



* Web Code: MEJ

Part No.	Product No.	1	10	100
1585645	93285	\$3.95	\$3.49	\$2.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Solenoids & Binary Switches

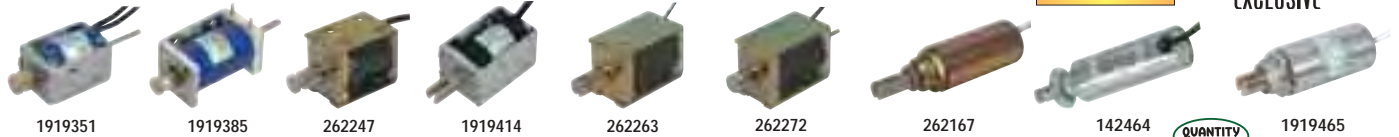
3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC HOUSE BRANDS FACTORY OVERRUN

JAMECO ReliaPro

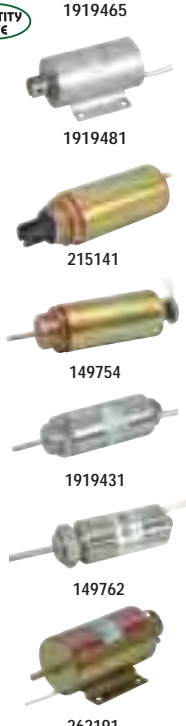
12VDC & 24VDC Continuous Push/Pull Solenoids

★ Web Code: MEJ

JAMECO EXCLUSIVE



Part No.	Cross Reference No.	Mfr.	Type	Volt. (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke (ins.)	Size L x Dia. (ins.)†	Shaft Dia. (ins.)	Wt. (lbs.)	Pricing		
												1	10	100
1919351	SMO-0415S12STD	JVP	Open frame-push	12	180	0.8	0.026	0.20	0.6 x 0.4 x 0.3	0.157	0.02	\$17.65	\$13.81	\$10.63
1919377	SMO-0415L12STD	JVP	Open frame-push	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.157	0.02	17.65	13.81	10.63
1919385	SMO-0420S12STD	JVP	Open frame-push	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.060	0.02	17.65	13.81	10.63
1919406	SMO-0630S12STD	JVP	Open frame-push	12	60	2.4	0.187	0.10	1.2 x 0.8 x 0.6	0.060	0.10	18.95	15.09	11.60
1919393	SMO-0420L12STD	JVP	Open frame-pull	12	120	1.2	0.04	0.10	0.8 x 0.5 x 0.4	0.070	0.02	17.65	13.81	10.63
262247	SMO-0520L12STD	JVP	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	13.79	11.72	8.80
1919414	SMO-0630L12STD	JVP	Open frame-pull	12	60	2.4	0.187	0.10	1.2 x 0.8 x 0.6	0.060	0.10	18.95	15.09	11.60
262263	SMO-0837L12STD	JVP	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	10.95	9.95	6.95
262272	SMO-0837S12STD	JVP	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	10.09	9.11	8.22
262167	SMT-1325L12STD	JVP	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	14.95	12.95	9.95
142464	SMT-1130L12A	JVP	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	8.95	7.95	7.39
1919422	SMT-1632L12STD	JVP	Tubular-pull	12	26.6	5.5	0.88	0.06	1.6 x 0.6	0.196	0.10	26.49	22.05	17.15
1919449	SMT-1939L12STD	JVP	Tubular-pull	12	20.6	7.0	1.30	0.07	1.6 x 0.8	0.090	0.18	24.39	20.83	16.32
1919465	SMT-2551L12STD	JVP	Tubular-pull	12	14.4	10.0	1.50	0.18	2.0 x 1.0	0.118	0.40	24.39	20.73	16.32
1919481	SMT-3257L12STD	JVP	Tubular-pull	12	11.07	13.0	3.70	0.18	2.3 x 1.3	0.157	0.65	29.45	25.03	22.09
1919191	121E18711	◆	Tubular-pull	24	44	12.8	1.00	1.00	2.3 x 1.0	0.430	0.40	12.95	11.65	10.49
215141	SMT-2251L24AA	JVP	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	13.95	11.86	10.46
149754	SMT-1325S12A	JVP	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	19.95	17.95	15.95
1919431	SMT-1939S12STD	JVP	Tubular-push	12	20.6	7.0	1.30	0.07	1.6 x 0.8	0.090	0.18	26.85	22.91	17.95
149762	SMT-1632S12A	JVP	Tubular-push	12	21	7.0	1.50	0.24	2.5 x 0.6	0.098	0.10	16.95	15.45	13.95
1919457	SMT-2551S12STD	JVP	Tubular-push	12	14.4	10.0	1.50	0.18	2.0 x 1.0	0.118	0.39	24.39	20.73	16.32
1919473	SMT-3257S12STD	JVP	Tubular-push	12	11.07	13.0	3.70	0.18	2.3 x 1.3	0.157	0.65	29.45	25.03	22.09
262191	SMT-3257S24STD	JVP	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	27.29	23.20	17.49



† Open frame type dimensions: L" x W" x H"

* Dual shaft

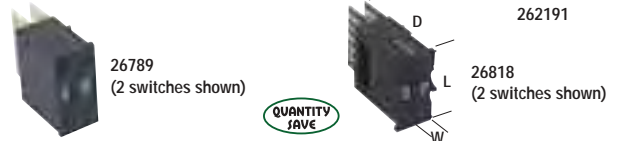
JAMECO ValuePro

Binary Coded Decimal (BCD) Switches

★ Web Code: QAD

- Contact resistance: 100mΩ max.
- Contacts: Gold plated BE-CU alloy
- Continuous load: 1 amp max.
- Front snap-tab mounting w/ end plates

Part No.	Cross Ref. No.	Manufacturer	Description	Size (L" x W" x D")	Character Height	Pricing			
						1	10	50	100
26789	MX72	Jameco ValuePro	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$5.95	\$5.35	\$4.79	\$3.69
26818	MX83	Jameco ValuePro	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.75	4.19	3.75	3.35



HIGHLY **OMRON** **Honeywell** **NEW** MARKED IN PINK

- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

Miniature Basic Switches

★ Web Code: UEM



Part No.	Mfr. Part No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
								1	10	100
1945268	VM-5	Zippy	Roller lever (2.00"L)	SPST	5A @ 125/250VAC	10M/1M	0.187" quick connect	\$1.19	\$0.99	\$0.75
159572	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.250" quick disconnect	3.09	2.89	2.55
159581	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.183" quick connect	2.75	2.45	2.09
187792	V-10G2-1C24K	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.55	2.35	2.09
187805	V-10G3-1C24K	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.89	2.60	2.40
2076244	V3-23-D8	Honeywell	Pin Plunger	SPDT	5A @ 125VAC	50M/300k	0.183" quick connect	1.49	1.25	.99
2076279	V3L-1465-D8	Honeywell	Lever Actuator	SPDT	4A @ 125VAC	50M/300k	0.183" quick connect	1.59	1.35	1.09



Web Enabled Catalog

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* JVP = Jameco ValuePro | ◆ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Subminiature Basic Switches

- Economical, subminiature basic switch offers long service life
- Lead spacing: A = 0.35"; B = 0.29"
- Free from overtravel restrictions, permits easy setting
- Dimensions: 0.78"L x 0.25"W x 0.40"H

★ Web Code: MBE



Fig. 1



Fig. 2

Part No.	Mfr. Part No	Manufacturer	Fig.	Contact Actuator Type	Form	Service Life Contact Rating	(Mech./Elec.)	Terminal Type	Pricing		
									1	25	50
187709	SS-5GL	Omron	1	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	\$1.59	\$1.39	\$1.23
187733	SS-5GL2	Omron	2	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.38	1.17	1.04
159599	SS0505A	Highly Electric	2	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.39	1.29	1.09

Pushbutton Switches

Jameco ValuePro



Fig. 1



Fig. 2

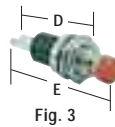


Fig. 3



Fig. 4

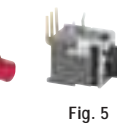


Fig. 5



Fig. 6

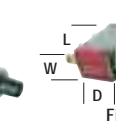


Fig. 7

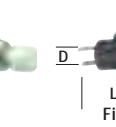


Fig. 8

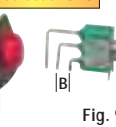


Fig. 9

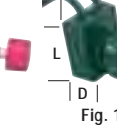


Fig. 10

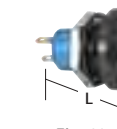


Fig. 11

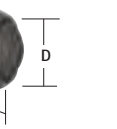


Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19

Part No.	Product No.	Manufacturer	Fig.	Pins	Mounting Hole Dia.	Type () Momentary	Dimensions (L" x W" x D")	Lead Spacing		Contact Rating	Terminal Type	Button Color	Pricing			
								A"	B"				1	10	100	500
315432	R13-23A-R	Jameco ValuePro	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	\$1.37	\$1.23	\$1.05	\$.84
315441	R13-23A-B	Jameco ValuePro	1	2*	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.09	.99	.79	.75
315492	R13-23B-B	Jameco ValuePro	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.36	1.21	1.04	.95
315484	R13-23B-R	Jameco ValuePro	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.36	1.21	1.04	.95
315599	R13-40A-R	Jameco ValuePro	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.35	1.23	1.10	.99
26623	MS102	Jameco ValuePro	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.66	.60	.54	.42
26649	MS103	Jameco ValuePro	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.70	.62	.52	.42
315643	R13-81-R	Jameco ValuePro	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.49	1.33	1.23	1.10
164566	MS402R	Mountain Switch	4	2	11/64"	SPST off-(on)	.73 (L) x .22 (D)	.078"	—	.5A @ 125VAC	Solder	Red	1.29	1.26	1.23	1.18
202999	BB16	Various	5	3	1/4"	SPDT on-on	.39 x .35 x .35	.18	.10	1A @ 28VAC	Solder right angle	White	.99	.89	.75	.59
71643	SWB210	Jameco ValuePro	6	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	2.79	2.45	2.29	1.99
121305	GPB006-WH	Jameco ValuePro	7	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	1A @ 120VAC	Solder lugs	White	3.59	3.25	2.95	2.65
28063	PB126	Jameco ValuePro	7	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69
174414	R13-510A	Jameco ValuePro	8	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74
154878	PS11-123	Eaton Corp.	9	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	1.49	1.35	1.19	.99
22200	J1881	Judco	10	2*	3/8"	SPST on-off, Alt ¹	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.05	.98	.93	.88
22218	J1882	Judco	10	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	1.05	.91	.81	.73
171758	IPR3SAD2	Apem	11	2	1/2"	SPST off-(on)	.82 (L) x .46 (D)	.19"	—	.2A @ 250VAC	Solder	Black	14.55	12.26	11.10	9.49
171766	IPC3SAD6	Apem	12	2	1/2"	SPST off-(on)	.82 x .69 x .46	.19"	—	.2A @ 250VAC	Solder	Red	20.85	16.67	14.58	13.85
171774	AV191003C900	Apem	13	2	3/4"	SPST off-(on)	1.20 (L) x .87 (D)	.37"	—	.2A @ 48VDC	Screw	Silver	13.95	12.95	11.95	10.95
596633	TP21SHZQE	C&K	14	3	11/64"	DPST (off)	.36 x .32 x .34	0.20	0.16	1A @ 120VAC	Solder lugs	Black	11.99	10.99	10.49	10.19
164494	DS450R	Mountain Switch	15	2	13/32"	SPST off-on	1.2 (L) x .59 (D)	.175"	—	3A @ 125VAC	Solder	Red	2.35	2.30	2.28	2.17
164486	DS463R	Mountain Switch	15	2	13/32"	SPST off-(on)	1.2 (L) x .59 (D)	.175"	—	3A @ 125VAC	Solder	Red	3.05	2.51	2.30	2.05
164523	DS466R	Mountain Switch	16	2	13/32"	SPST off-(on)	1.2 (L) x .60 (Sq)	.160"	—	3A @ 125VAC	Solder	Red	2.29	2.19	2.09	1.99
164582	DS016B	Mountain Switch	17	2	15/32"	SPST off-(on)	.88 (L) x .46 (D)	.220"	—	1A @ 125VAC	Solder	Black	2.05	1.96	1.88	1.80
164639	MS3120R	Mountain Switch	18	2	17/64"	SPST off-(on)	1.1 (L) x .31 (D)	.175"	—	.5A @ 125VAC	Solder	Red	1.75	1.59	1.45	1.35
106112	DS412R	Mountain Switch	19	2	47/64"	SPST off-(on)	.63 (L) x .66 (D)	.275"	—	3A @ 110VAC	Solder lugs	Red	1.25	1.20	1.13	1.09

* Lead wires

¹ Alt = alternate action

Switchcraft

Cord-Switch®

- Maximum cable side diameter: .375"
- Plastic insulation
- Copper alloy plated housing and switch bushing

★ Web Code: CSH



Part No.	Mfr. Part No.	Description	1	10	25
297502	ED903	Cord-switch	\$16.15	\$11.57	\$11.33

GC

General Purpose Snap-Action Switch

- Contact form: SPDT
- Actuator: plunger
- Terminal: 0.250" QC

★ Web Code: GPS



⊙ Blue Part No. = Limited Quantity Available

Part No.	Mfr. Part No.	Current Rating	1	10	100
617001	35-461	15A @ 480VAC	\$2.25	\$2.07	\$1.91

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

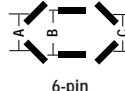
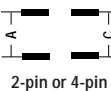
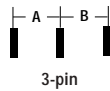
JAMECO ValuePro

- Medium duty
- Mounting hole diameter: 1/2"



★ Web Code: NAJ

Standard Toggle Switches



Part No.	Product No.	*Mfr.	Fig.	Pins	Type	Dimensions (L" x W" x D")	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing			
							A"	B"	C"				1	10	100	500
76241	SWM128	JVP	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	\$1.79	\$1.61	\$1.37	\$1.10
76232	SWM125	JVP	2	2	SPST on-off	1.00 x .53 x .51	.23	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	2.25	2.00	1.86	1.68
317825	R13-25A2-01	JVP	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.49	2.24	1.95	1.75
318002	R13-28A-01	JVP	3	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.65	2.39	2.15	1.71
318123	R13-28D-01	JVP	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.49	2.25	1.95	1.75
318141	R13-28D-06	JVP	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	3.79	3.20	3.02	2.47
158060	JKN32	JVP	1	4	SPDT on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.38	1.26	1.07	.79
76260	SWM126	JVP	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.75	1.59	1.45	1.29
158078	JKN3CC	JVP	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.28	1.15	1.05	.93
318043	R13-28B-01	JVP	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	4.95	4.29	3.85	3.55
318052	R13-28B-05	JVP	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.85	3.45	2.69	2.39
621579	35-3035	GCE	4	2	SPST on-off	.89 x .55 x .34	.38	.38	—	15 @ 115 & 6 @ 230	Screw	Round	2.95	2.75	2.56	2.49
1817477	2TL1-2	MSH	5	6	DPDT Off	1.34 x .91 x 1.35	.38	.38	—	15 @ 115 & 6 @ 230	Screw	Round	28.15	23.95	22.99	22.25
1817400	2TL1-1	MSH	5	6	DP3T Off	1.34 x .91 x 1.35	.38	.38	—	15 @ 115 & 6 @ 230	Screw	Round	22.49	17.60	17.51	17.36
1815906	1NT1-2	MSH	5	6	SPDT Off	1.34 x .91 x 1.35	.38	.38	—	15 @ 115 & 6 @ 230	Screw	Round	15.35	11.96	10.99	10.75

JAMECO ValuePro

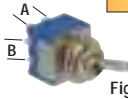
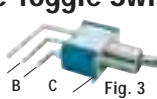
- Mounting hole diameter: 1/4"

Includes: Mounting hardware



NEW MARKED IN PINK

Miniature Toggle Switches



★ Web Code: PAJ

QUANTITY SAVE

Part No.	Cross Ref. No.	*Mfr.	Fig.	Pins	Type () Momentary	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing			
							A"	B"	C"				1	10	100	500
76523	JMT113	JVP	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	\$1.38	\$1.24	\$1.12	\$.90
21936	JMT123	JVP	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.23	1.09	.85
21910	JMT121	JVP	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95
22832	LFH123	+	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.25	1.09	.99	.79
75854	SWM132	JVP	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.40	1.25	1.13
75889	SWM129	JVP	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.25	1.09	.99
26331	MPC123	+	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.85	1.65	1.50	1.25
26315	MPC121	JVP	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.29	1.15	1.05	.95
1585506	7201L1YZTME	C&K	1	6	DPDT on-on	.50 x .45 x .35	—	.135	—	5 @ 120 & 2 @ 250	Solder lugs	Round	1.25	1.09	.85	.69
71597	SWM148	JVP	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.19	1.09	.99	.79
2077044	MTS-103AA	JVP	3	3	SPDT on-off-on	.52 x .32 x .39	—	.149	.51	6 @ 125 & 3 @ 250	PC right angle	Round	1.29	1.19	.99	.79
202964	WI24	+	3	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.150	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.09	.89	.75	.59
75871	SWM145	JVP	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86
22841	LFH221	JVP	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Flat	1.45	1.31	1.11	.88
21979	JMT223	JVP	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99
22859	LFH223	JVP	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Flat	1.55	1.43	1.26	1.14
75900	SWM133	JVP	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.79	1.61	1.37	1.03
21952	JMT221	JVP	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.37	1.17	.93
75951	SWM130	JVP	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	1.00
26367	MPC223	JVP	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.49	1.35	1.25	.99
26358	MPC221	JVP	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.95	1.76	1.50	1.20

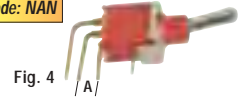
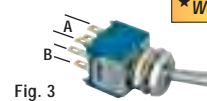
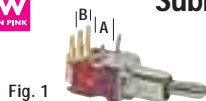
JAMECO ValuePro

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware

NEW MARKED IN PINK

Subminiature Toggle Switches



★ Web Code: NAN

Part No.	Product No.	*Manufacturer	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing		Contact Rating	Lead Type	Lever Type	Pricing			
							A"	B"				1	10	100	500
106067	SWP124	JVP	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	\$1.95	\$1.75	\$1.49	\$1.25
72161	SW1501	JVP	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.31	1.29	1.25	1.20
75969	SWM136	JVP	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.69	1.52	1.29	1.04
138907	SW1503	JVP	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.55	1.40	1.19	.95
75977	SWM137	JVP	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.49	1.45	1.35	1.17
1585493	ET012D1AVBE	C&K	4	3	SPDT on-on	.32 x .20 x .18	.10	—	20mA @ 20VDC/VAC	PC right angle	Round	.99	.89	.65	.55
2076228	ET05J6ABE	C&K (sealed)	1	3	SPDT (on)-off-(on)	.32 x .32 x .20	.20	.08	4A @ 20VDC/VAC	PC right angle	Round	.99	.75	.59	.49

◆ Product requires 1-2 additional days to ship. Request 'ship partial' if you want other items to ship sooner (note separate shipping charges will apply). Minimum order quantity & prices are subject to change.

* C&K = C&K | GCE = GC Electronics | JVP = Jameco ValuePro | MSH = Microswitch Honeywell | ◆ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



- Two mounting flanges
- 6/6 nylon plastic housing
- Phenolic insulated

NEW
 MARKED IN PINK

- Top actuation
- Nylon actual

Slide Switches

*Web Code: LAP



* Order in multiples of 10

Part No.	Product No.	*Manufacturer	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing		Contact Rating (A @ VAC)	Housing Material	Lead Length	Actuator Height	Pricing			
							A"	B"					1	10	100	250
109171	G4050X-R	JVP	1	3	SPDT on-on	.22"L x .45"W x .23"D	—	.12	0.5A @ 50VDC	Plastic	.17"	.15"	\$.35	\$.29	\$.25	\$.19
204142	410201MLOY	C&K	2	3	SPDT on-on	.77"L x .40"W x .37"D	—	.19	2.0A @ 28VDC	Plastic	.19"	.17"	*	.19	.15	.12
202770	74650-009	◆	3	6	SPDT on-on	.35"L x .70"W x .30"D	.17	.20	0.1A @ 30VDC	Plastic	.16"	.32"	*	.19	.15	.12
2076210	GF126-1093	CWI	4	6	DPDT on-on	1.00"L x .41"W x .30"D	.19	.29	0.5A @ 125VDC	Metal	.25"	.20"	.69	.59	.45	.35

JAMECO ValuePro

Rocker Switches



*Web Code: VBU



QUANTITY
 SAVE

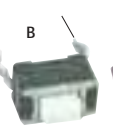
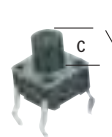
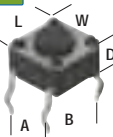
Part No.	Product No.	*Mfr.	Pins	Type	Contact Rating (A@VAC)	Rocker Color	Terminal Type	Mounting Type	Lead Space		Dimensions (L"xW"xD")	Pricing			
									A"	B"		1	10	100	
316014	R13-66A-B-02	JVP	2	SPST on-off	16@125	Black	.187" quick connect	Panel mount	0.31	—	.83 x .59 x .63	\$.99	\$.86	\$.56	
316022	R13-66A-R-02	JVP	2	SPST on-off	16@125	Red	.187" quick connect	Panel mount	0.31	—	.83 x .59 x .63	.99	.84	.56	
316111	R13-73A2-B-02	JVP	4	DPST on-off	10@125	Black	.187" quick connect	Panel mount	0.20	0.34	.83 x .59 x .68	1.79	1.65	1.45	
1945276	BR-12A-55S	PRO	2	SPST on-off	10@125; 5@250	Lt. gray	5.5" wire leads	Panel mount	0.31	—	.83 x .59 x .59	.49	.39	.29	
1945284	R13-66	PRO	3	SPST on-off	10@125; 6@250	Dk. gray	5.5" wire leads	Panel mount	0.31	—	.83 x .59 x .55	.39	.29	.25	
617473	35-695	GCE	3	SPDT (on)-off-(on)	16@125	Black	.250" quick connect	Panel mount	0.34	0.56	.93 x .43 x .62	4.25	3.64	2.73	
1945241	163-099-029	ITW	3	SPDT	12@250	Black	.250" quick connect	Panel mount	0.26	0.26	1.2 x .55 x .59	.39	.29	.19	

JAMECO ValuePro

Tactile Switches

*Web Code: QBF

NEW
 MARKED IN PINK



- Bounce time: 10 msec.
- SPST momentary ON
- Lead type: PC
- Contact resistance: 100mΩ

* Order in multiples of 10

Part No.	Product No.	*Mfr.	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing		
					L	W	D	C	A"	B"			1	10	100
1586074	EVQ-PAG04K	PAN	2	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	\$.29	\$.25	\$.19
199726	EVQ11A04M	PAN	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.37	.276	.24
119011	KTIBICM	JVP	2	4	.24	.24	.15	.30	.17	.25	20 @ 15	Black	.27	.24	.22
149948	KT11P4CM	JVP	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	*	.19	.142
122973	DT51212	JVP	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.29	.19	.17
2076236	EVQPHPO3T	PAN	10	4	.24	.24	.10	.02	.15	.26	20 @ 15	Brown	.39	.29	.19
155249	KRS-3550-BK	JVP	4	2	.24	.14	.15	—	.27	.50	10 @ 12	Black	.27	.22	.20
155256	KRS-3550-WH	◆	4	2	.24	.14	.15	.03	.26	.50	10 @ 12	White	.25	.19	.15
153252	SDT620K	JVP	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20
155380	KRS-1273B	JVP	5	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31
153251	TL1105-A	ESW	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.25	.19	.16
202956	KSM06330	◆	2	2	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.29	.25	.19
162886	B3F-1000	OMR	2	4	.24	.24	.13	.03	.17	.25	50 @ 24	White	*	.207	.203
1953575	B3F-3122	OMR	6	4	.29	.29	.25	.06	.17	.28	50 @ 24	Gray	.29	.26	.24
2076261	B3E-1100-Red	OMR	9	4	.24	.24	.19	.07	.17	.25	50 @ 24	Red	.49	.39	.29
2076287	B3E-1300-Green	OMR	9	4	.24	.24	.19	.07	.17	.25	50 @ 24	Green	.49	.39	.29
2076252	KSC121JB	CAN	10	4	.24	.24	.10	—	.15	.26	50 @ 32	Gray	.29	.25	.19
2076148	KFC-A12-A	◆	2	4	.47	.47	.15	.08	.17	.50	100 @ 50	Black	.39	.29	.19

* Illuminated ◆ See switch cap below

Tactile Switch Cap

Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Description	Size (in.)	Material	For Use With	10	100	250
155409	KRS-CAP-B	JVP	Round	.50" Dia. x .25"H	Plastic	P/N 155380	\$.18	\$.16	\$.14



Magnetic Reed Switches

- NO (normally open)
- Contact form: SPST
- 500mA @ 100VDC
- 1951342: 1A @ 220VDC

1951342

*Web Code: UBB

Part No.	Cross Ref. No.	Size (L"xD")	1	10	100	1000
171872	MKA14103	0.53 x 0.1	\$.85	\$.65	\$.49	\$.45
1951342	MKC-27103	2.24 x 0.1	1.79	1.69	1.59	1.49

Switch Grab Bags

- 18235: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches
- 135378: 1 lb. (approx. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches



Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235	GB165	0.4	\$8.95	\$7.95
135378	GB165LB	1.0	19.95	17.95

Switch Assortment Kit

Includes:

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 152 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 78
- 10 ea. slide switches (109171), below
- 10 ea. pushbutton switches (26623, 26649), pg 77
- 10 ea. DIP switches (38818, pg 80; 38843, web)
- 10 ea. tactile switches (153252), above left

SAVE \$47

Part No.	Description	Wt. (lbs.)	1	10
85059	150 pcs. switch kit	5.0	\$119.95	\$109.95



* C&K = C&K Switch | CAN = Cannon | CWI = CW Industries | ESW = E-Switch Inc. | JVP = Jameco ValuePro | OMR = Omron | PAN = Panasonic | PRO = Pronic Electronics | ◆ Manufacturer Varies

*** For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

DIP, Rotary & Keypad Switches

3 LEVELS OF SAVINGS
FRANCHISE SOURCED | GENERIC | HOUSE BRANDS | FACTORY OVERRUN

Standard & Low Profile DIP Switches



- Switch contacts: SPST
- Standard switches have raised lever
- LP switches flush to casing (low profile)

*Web Code: UCY

NEW MARKED IN PINK

Compatible Socket Chart, see page 67 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
2-position	112193	6-position	112214	9-position	112231
3-position	112193	7-position	112214	10-position	38608
4-position	112206	8-position	112222	12-position	112282

Part No.	Product No.	*Mfr.	*Type	Pos.	Pricing		
					1	10	100
109057	206-2	◆	1,5	2	\$.69	\$.62	\$.56
1951385	206-2LP	◆	2,6	2	\$.59	\$.49	\$.39
2076156	SDAX-2RX-X	BNS	3,5	2	\$.49	\$.39	\$.29
109059	206-2	JVP	3,5	2	1.25	1.13	1.00
206359	206-3	◆	1,5	3	\$.45	\$.35	\$.29
38818	206-4	◆	1,5	4	\$.55	\$.49	\$.45
38820	206-4	JVP	1,5	4	\$.79	\$.75	\$.69
696888	76S04ST	GRY	1,7	4	1.05	1.00	\$.95
696950	78B04ST	GRY	1,5	4	1.85	1.71	1.62
617908	35-964	GCE	1,5	4	2.09	1.88	1.67
696802	76PS04ST	GRY	4,5	4	1.49	1.31	1.22
139002	206-4LP	◆	2,5	4	\$.59	\$.54	\$.49
139003	206-4LP	JVP	2,5	4	\$.92	\$.82	\$.64
2076164	SDAX-4RX-X	BNS	3,5	4	\$.69	\$.59	\$.49
2076181	SDAX-4RX-T	BNS	3,5	4	\$.79	\$.69	\$.59
38826	206-6	◆	1,5	6	\$.89	\$.79	\$.69
38827	206-6	JVP	1,5	6	\$.99	\$.89	\$.79
2076201	A6D-6100LP	OMR	2,6	6	\$.79	\$.69	\$.59
2076674	206-6PS	◆	4,5	6	\$.85	\$.75	\$.65
38834	206-7	◆	1,5	7	\$.95	\$.86	\$.77
38842	206-8	◆	1,5	8	\$.79	\$.69	\$.59
1939562	4-435626-2	AMP	1,5	8	\$.75	\$.68	\$.55
696917	76S08ST	GRY	1,7	8	1.45	1.23	1.15
696968	78B08ST	GRY	1,5	8	1.85	1.73	1.64
617916	35-968	GCE	1,5	8	2.35	2.16	2.03
1951393	206-8LP	◆	2,5	8	\$.79	\$.69	\$.59
139012	206-8LP	JVP	2,6	8	\$.89	\$.85	\$.76
101856	206-9	◆	1,5	9	1.05	\$.96	\$.88
38797	206-10	◆	1,5	10	\$.85	\$.75	\$.65
38799	206-10	JVP	1,5	10	\$.99	\$.89	\$.79
38801	206-12	JVP	1,5	12	1.23	1.16	1.09

* 1. Standard; 2. Low Profile; 3. Right Angle; 4. Piano Style; 5. Slide Raised; 6. Slide Flush; 7. Rocker Raised; 8. Rocker Flush

SMT DIP Switch

*Web Code: SDS

- Insulation resistance: 1000MΩ (min.) across open switch & between adjacent closed switch
- Contact resistance: 100mΩ initial
- Dielectric strength: 300VAC for 1 min.
- Gold plated beryllium copper contacts, gold flash coated terminals
- Bottom seal/top tape seal
- Non-switching rating: 100mA or 50VDC max.
- Length: 0.246"

Part No.	Manufacturer	Product No.	Positions	Type	1	10	100
2076199	Grayhill	90HB104SR	4	SPST	\$.55	\$.45	\$.29
546759	Various	3-435668	5	SPST	\$.53	\$.441	\$.315
1945022	Various	SMT-6PDS	6	SPST	\$.69	\$.59	\$.39

Rotary DIP Switches

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Max. switching load rating: 25mA @ 24VDC
- Op. force: 500g-cm max.
- Lead spacing: A = 0.1"; B = 0.3"
- Size: .39"W x .39"D x .20"H
- Material: UL94V-0 grade

*Web Code: UAX

Part No.	Mfr. Part No.	1	10	50
139636	ERD110RS(DRD10)	\$2.89	\$2.59	\$2.35

16-Button Numeric Keypad

- 8-position solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- Size: 3.0"L x 2.8"W x 0.6"H

*Web Code: XBA

Part No.	Description	1	10	100
169245	Numeric keypad	\$9.95	\$8.95	\$7.95

12-Button Telephone Keypad

- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H

*Web Code: XBA

Part No.	Description	1	10	100
190562	Numeric keypad	\$7.95	\$7.25	\$5.95

SPST Round Keylock Switches

- Used in computer and other security systems
- Mounting hole = 0.75" except P/N 106650 = 0.5"
- Key removable from 2 positions
- Two keys

*Web Code: RAN

196649: all keys are alike

Includes: Mounting nut

Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	50	100
106650	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$4.55	\$4.09	\$3.55	\$3.09
105832	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.95	4.49	3.95	3.59
196649	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.95	4.49	3.95	3.59



Helping You Find What You Need

Can't find the product you're looking for
call us at 1-800-831-4242.

* AMP = AMP/Tyco | BNS = Bourns | GCE = GC Electronics | GRY = Grayhill | JVP = Jameco ValuePro | OMR = Omron | ◆ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

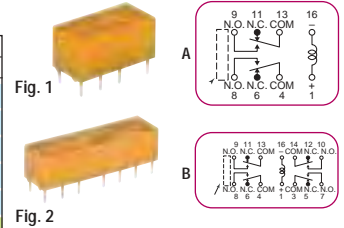
Panasonic

Signal Relays

DS Series Low Signal Relays (High Sensitivity & Standard Coils)

*Web Code: NCV

Part No.	Mfr. P/N	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A)		Pins	Dimensions (L" x W" x H")	Pricing		
							30VDC	125VAC			1	25	50
760616	DS1E-S-DC5V	1A	SPDT	5	125	40	2.0	2.0	5	0.59 x 0.39 x 0.37	\$6.19	\$5.99	\$5.30
760595	DS1E-S-DC12V	1A	SPDT	12	720	16.7	2.0	2.0	5	0.59 x 0.39 x 0.37	6.49	5.99	5.35
842734	DS1E-M-DC12V	1A	SPDT	12	360	33.3	2.0	2.0	5	0.59 x 0.39 x 0.37	4.39	3.92	3.18
842953	DS2E-S-DC5V	2B	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.37	3.85	3.66	3.47
842793	DS2E-M-DC12V	2B	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.96	2.63
842902	DS2E-S-DC12V	2B	DPDT	12	720	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.85	3.64	2.75



Panasonic

JW Series Power Relay

*Web Code: VPR

Part No.	Mfr. P/N	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A)		Pins	Dimensions (L" x W" x H")	Pricing		
						30VDC	A@VAC			1	25	50
843235	JW2SN-DC12V	DPDT	12	270	44	5.0	5@250	6	1.13 x 0.50 x 0.79	\$2.29	\$2.21	\$1.96



OMRON

G7L Series Power Relay

- 0.250" quick connect terminals
- SPST-NO
- Coil resistance: 303Ω
- Contact resistance: 50mΩ max.
- Insulation resistance: 1,000MΩ min. (@500VDC)
- Dielectric withstanding volt.: 5,000VAC for one minute between contacts and coil, 2000VAC between contacts of same polarity

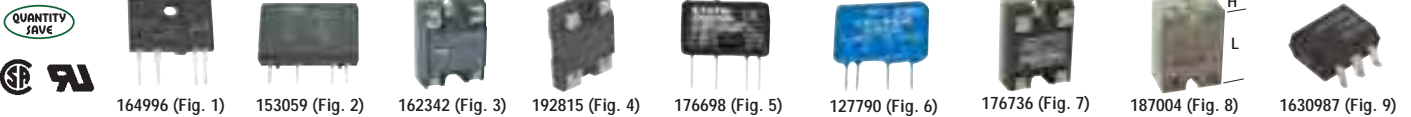
Part No.	Description	Type	Rating	Contact Rating	1	10	50
454571	G7L-1A-TUB-CB-DC24	SPST	24VDC @ 79mA	20A-220VAC	\$7.95	\$6.95	\$4.95

Industrial Type Power Relay

- DPDT
- 12VDC coil
- Rating: 30A @ 240VAC
- 8 screw down contacts
- Size: 3.3"L x 2.5"W x 2.2"H

Part No.	Product No.	1	10	50
183791	GH-2C-12D	\$14.95	\$14.95	\$13.49

DC/AC and DC/DC Solid State Relays



*Web Code: DBA

Part No.	Mfr. P/N	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing			
													1	10	50	100
Solid State Relays DC/AC Type																
164988	S101S02	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	\$4.29	\$3.95	\$2.89	\$2.15
164996	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	7.29	5.82	5.10	3.82
153059	KSD203AC2	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	10.09	9.06	8.05	7.34
162342	ESR51024-010	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	19.15	17.27	15.55	13.99
186992	G3NA-210B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	8	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25
187004	G3NA-220B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	8	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	22.45	20.20	17.95	16.15
162369	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	27.95	24.95	21.95	19.95
162406	ESR51024-040	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	27.59	24.85	22.45	20.19
192815	KSD240AC8	COSMO	4-32VDC	DC/AC	SPST	250VAC	40A	4	4	Screw Terminal	—	1.8 x 0.6 x 2.3	24.09	21.64	19.48	17.54
175214	KB20C02A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder Lead	CE	1.4 x 0.3 x 1.5	6.55	5.95	5.69	5.29
127790	D2W202F	Crydom	13-32VDC	DC/AC	SPST	280VAC	2A	4	6	Solder Lead	UL/CSA	1.7 x 0.4 x 1.3	8.65	8.56	8.03	7.40
176698	KB20C06A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder Lead	CE	1.4 x 0.3 x 0.9	10.89	9.80	8.71	7.84
176719	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	7	Screw Terminal	UL/CE	1.7 x 0.9 x 2.3	19.99	17.99	16.19	14.59
176736	KD20C75AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	7	Screw Terminal	UL/CE	1.7 x 0.9 x 2.3	39.95	35.99	32.39	29.15
Solid State Relays DC/DC Type																
172591	KF0602D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder Lead	CE	1.4 x 0.3 x 0.9	\$11.95	\$10.74	\$9.54	\$8.34
175222	KF0604D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder Lead	CE	1.5 x 0.3 x 0.9	13.95	12.99	12.69	12.32
176648	KG1005D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	7	Screw Terminal	CE	2.3 x 1.7 x 0.9	27.95	25.16	22.36	19.95
176655	KG1010D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	7	Screw Terminal	CE	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89
1630987	LH1500AAB	Infineon	—	DC/DC	SPST	350VDC	0.15A	6	9	SOIC-6	UL/CSA	.34 x .26 x .15	2.66	2.69	2.39	2.39

CLARE

OptoMOS® Solid State Relays

*Web Code: WDX

Part No.	Mfr. P/N	Package	Description	Fig.	Load Voltage (V)	Current Handling (mA)	On-Resistance (ohms)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (μA)	Switching Speed (on/off) (ms)	Pricing		
												1	25	50
1582997	LCA110	DIP-6	Single pole, 1-Form-A	1A	350	120	35	3750	2	1	3/3	\$1.89	\$1.65	\$1.57
1583041	LCA710	DIP-6	Single pole, 1-Form-A	1B	60	1000	0.5	3750	10	1	2.5/0.25	5.19	4.56	4.16
1582911	LAA110P	Flatpack-8	Dual single pole, 1-Form-A	2C	350	120	35	3750	5	1	3/3	4.29	3.65	3.22

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

PC Mount & DIP Relays

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC
HOUSE BRANDS
FACTORY OVERRUN

Small High-Current PC Mount Relays

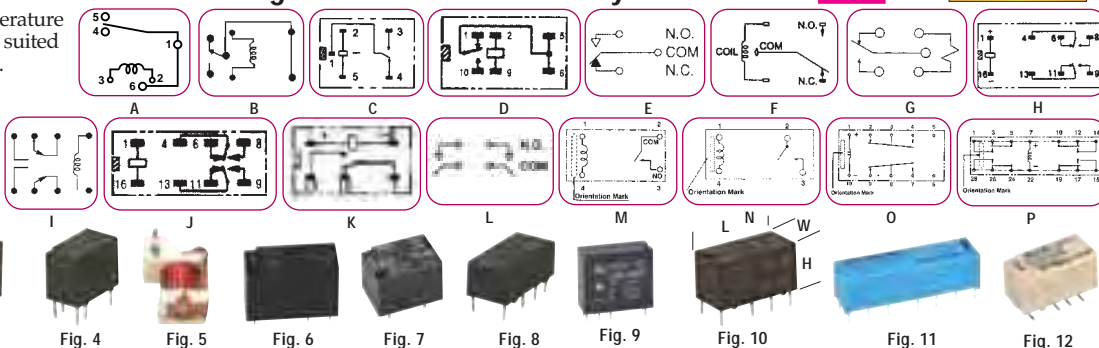
NEW
Marked by Pin

★ Web Code: SAV

Designed for the appliance and temperature control markets, they are also well suited for automotive load management.

- Mechanical life: 10 million operations
- Electrical life: 100,000 operations
- Dielectric strength: 1500V_{RMS} (between contact and coil)

144186: Use with universal relay card (P/N 128910, see web)



Part No.	Manufacturer Part Number	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing			
												1	10	50	100
2077394	JV-35-KT	Fujitsu	—	9M	SPST-NO	3VDC	45	250VAC/30VDC	5A	4	.69 x .39 x .49	\$2.25	\$1.79	\$1.39	\$1.19
2077271	FTR-F2AL006T	Fujitsu	—	9N	SPST-NO	6VDC	145	250VAC/30VDC	5A	4	.95 x .43 x .98	1.75	1.39	1.15	.89
2077378	FBR161NED006-WB	Fujitsu	—	3F	SPST	6VDC	100	120VAC/30VDC	10A	5	.85 x .63 x .63	1.95	1.59	1.25	.99
145753	L90A-12W	Rayex*	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	2.95	2.65	2.11	1.58
553289	T90S1D12-18	Potter & Brumfield	—	1A	SPST	18VDC	380	240VAC/28VDC	30A/20A	6	1.27 x 1.08 x .81	2.25	1.95	1.75	1.59
553318	T90S1D12-24	Potter & Brumfield	—	1A	SPST	24VDC	660	240VAC/28VDC	30A/20A	6	1.27 x 1.08 x .81	2.93	2.55	2.66	2.36
187240	G5V-1-DC5	Omron	T5C-105L3H	4D	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.29	2.07	1.84	1.65
174450	LU-5	Rayex	T81H5D215	2B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	1.99	1.79	1.59	1.49
843155	JS1-5V	Panasonic	T7C55D-05	7F	SPDT	5VDC	69.4	250VAC/100VDC	10A/5A	5	.87 x .63 x .63	1.19	1.09	.99	.89
187151	G5LE-1DC5	Omron	—	3C	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.44	1.40	1.35	1.29
134949	L90-5W	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.39	2.15	1.91	1.55
187418	G6E-134P-ST-US-DC5	Omron	—	4K	SPDT	5VDC	125	125VAC/30VDC	.4A/2A	5	.63 x .39 x .33	3.95	2.95	2.95	2.75
454563	KLTI12DC9	Hasco	—	2G	SPDT	9VDC	225	120VAC/28VDC	12A	5	.73 x .59 x .61	1.75	1.49	1.25	.99
2078186	FBR161NED012	Fujitsu	T7C55D-12	2F	SPDT	12VDC	400	125VAC/30VAC	10A	5	.80 x .60 x .60	1.95	1.75	1.25	.99
664309	JW1FSN-DC12V	Nais (Aromat)	RTB14012F	6E	SPDT	12VDC	270	250VAC/30VDC	10A	5	1.13 x .51 x .79	2.49	2.25	1.95	1.75
172937	JS1-12V	Nais (Aromat)	T72M5D121-12	7F	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.15	1.08	.96	.82
144186	JZC-22F	Velleman	VR15M121C	2G	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174432	LEG-12F	Rayex	T7C55D12	2G	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.89	1.60	1.49	1.35
104927	733SDT12VDC	Song Chuan	T90N5D12-12	5A	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x .90 x .63	1.99	1.79	1.69	1.59
187400	G6E-134P-ST-US-DC48	Omron	—	4K	SPDT	48VDC	5760	125VAC/30VDC	.4A/2A	5	.63 x .39 x .33	5.95	5.95	5.25	5.25
215909	RKA-7DZ-12	Potter & Brumfield	—	4I	DPST-NO	12VDC	270	250VAC/24VDC	.5A/5A	6	1.16 x .57 x 1.05	2.29	1.95	1.69	1.39
2077255	EE2-4.5NIX-L†	NEC	SMD-PKG	8I	DPDT	4.5VDC	145	125VAC/30VDC	.5/2A	8	.59 x .30 x .35	1.95	1.59	1.25	.99
187282	G6A-234PSTUSDC5	Omron	C93416	8H	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	4.15	3.90	3.71	3.54
2077415	BA-5W-K	Fujitsu	—	8I	DPDT	5VDC	100	125VAC/30VDC	.5A/1A	8	.59 x .29 x .38	2.19	1.75	1.35	1.15
998190	JW2ASN-DC5V	Panasonic	RTE44005F	6L	DPST	5VDC	47	250VAC/30VDC	5A/5A	6	1.13 x .50 x .79	2.03	2.05	1.76	1.76
843649	TX25SA-5V	Panasonic	—	12I	DPDT	5VDC	178	30VDC	2.0A	8	.59 x .29 x .22	2.24	2.55	2.03	2.42
2077263	V23079-F1101-B301†	Siemens	SMD-PKG	8I	DPDT	5VDC	357	250VAC/220VDC	5A	10	.57 x .28 x .41	1.95	1.59	1.25	.99
2077386	AL-D9W-K	Fujitsu	—	8O	DPDT	9VDC	45	125VAC/30VDC	.5A/1A	10	.55 x .35 x .20	1.95	1.59	1.25	.99
187258	G5V-2-DC12	Omron	—	10J	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.85	2.50	2.20	2.00
174378	LM2-12D	Rayex	RKA5DZ12	9I	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
200740	G5V-2-HI	Omron	—	10J	DPDT	24VDC	2800	125VAC/24VDC	.5A/1A	8	.81 x .40 x .45	2.29	2.06	1.85	1.65
2078274	FBR46D024	Fujitsu	—	8H	DPDT	24VDC	2880	120VAC/30VDC	.5A/1A	8	.63 x .39 x .33	1.95	1.75	1.49	1.25
2078215	G2VN-234P-US	Omron	—	8H	DPDT	24VDC	1600	120VAC/30VDC	.5A/1.5A	8	.77 x .39 x .41	2.49	2.25	1.95	1.75
2077360	RA4-12W-K	Fujitsu	—	11P	4PDT	12VDC	720	120VAC/24VDC	.5A/1A	14	1.39 x .39 x .39	4.95	3.95	2.95	2.25

* Manufacturer may vary † SMD Package

DIP Relays

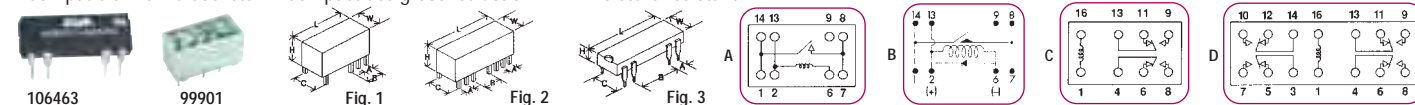
- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant

Aromat

EGE

CLARE

★ Web Code: QAN



Part No.	Mfr. Part No.	Manufacturer	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing			
													1	10	50	100
106463	201A05	Excel Cell Elect.	3A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	\$2.59	\$2.17	\$1.82	\$1.50
138431	2D1A05	Excel Cell Elect.	3B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.75	2.46	1.98	1.49
173914	DS2YE-S-DC5V	Aromat	C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37401	.79 x .38 x .44	.18 x .28 x .29	2.35	2.19	2.09	1.99
139977	RSBS	Shin Mei	1C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99311	DS2Y-S-DC12V	Aromat (NAIS)	1C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.65	2.38	2.12	1.80
99901	LX200D00	Clare	1C	DPDT	12VDC	720	125VAC/100VDC	2A	8	37373	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
136549	DS4E-M-DC5V	Aromat	2D	4PDT	5VDC	62.5	125VAC/30VDC	0.6A/2A	14	112301	1.40 x .40 x .36	.20 x .30 x .30	5.95	5.35	4.79	4.25
176313	DS4E-M-DC12V	Aromat	2D	4PDT	12VDC	360	125VAC/30VDC	0.6A/2A	14	112301	1.40 x .40 x .36	.20 x .30 x .30	6.79	6.35	6.11	5.49

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

JAMECO ValuePro

General Purpose Blade and Octal Relays

- Industry standard termination for quick installation
- Wide range of coil voltages for industrial and commercial applications
- UL/CSA approved

*Web Code: ACF



Part No.	*Mfr.	Potter & Brumfield Cross Reference No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Current (mA)	Mating Socket*		Pricing			
									Jameco	DIN Rail	1	10	25	50
498671	P&B	KUEP-11D15-12	2	DPDT	3A @ 150VDC; 10A @ 240VAC	12VDC	80	150	282124	27E121	\$11.95	\$10.95	\$9.95	\$8.95
139766	BTA	BTA6-2C-J-CW-12VDC	4	DPDT	10A @ 28VDC; 12A @ 120VAC	12VDC	120	10	141145	—	8.95	7.95	6.95	5.95
172719	JVP	LB2-1205-R	3	DPDT	12A @ 30VDC; 12A @ 240VAC	12VDC	160	75	175531	27E895	5.95	4.69	4.19	3.49
282255	P&B	K10P-11D15-12	1	DPDT	15A @ 30VDC; 15A @ 120VAC	12VDC	160	75	282191	27E895	7.25	6.70	6.15	5.80
175565	JVP	LB2-24DS-R	3	DPDT	12A @ 30VDC; 12A @ 240VAC	24VDC	650	37	175531	27E895	6.25	4.75	4.25	3.55
282263	P&B	K10P-11D15-24	1	DPDT	15A @ 30VDC; 15A @ 120VAC	24VDC	650	37	282191	27E895	7.49	6.85	6.28	5.95
175573	JVP	LB2-110AS	3	DPDT	12A @ 30VDC; 12A @ 240VAC	110VAC	3,900	28†	175531	27E895	6.89	6.20	4.96	3.72
139740	BTA	BTA1-2C-120VAC	4	DPDT	10A @ 28VDC; 12A @ 120VAC	120VAC	2,250	122	141145	—	8.95	7.95	6.95	5.95
282247	P&B	K10P-11A15-120	1	DPDT	15A @ 30VDC; 15A @ 120VAC	120VAC	3,900	11	282191	27E895	7.55	6.85	6.27	5.96
291507	JVP	LB4H-120-R	3	4PDT	5A @ 30VDC; 5A @ 240VAC	12VDC	160	75	175557	27E894	4.95	4.49	3.95	3.75
175602	JVP	LB4H-24DS-R	3	4PDT	5A @ 30VDC; 5A @ 240VAC	24VDC	650	37	175557	27E894	5.19	4.69	4.19	3.14
175611	JVP	LB4H-110AS-R	3	4PDT	5A @ 30VDC; 5A @ 240VAC	110VAC	3,900	28†	175557	27E894	4.69	4.58	4.47	4.24

* For compatible sockets see below

† Silver-cadmium oxide, no lamp

Blade and Octal Relay Sockets

DIN Rail Relay Socket for K10 Series (8-Blade Square)

Part No.	*Mfr.	Product No.	Contact Arr.	Pins	1	10	25	50
175531	JVP	27E895	DPDT	8	\$3.95	\$3.69	\$3.35	\$3.15
282191	P&B	27E895	DPDT	8	4.79	4.69	4.59	4.08

DIN Rail Relay Socket for KUEP Series (11-Blade Square)

Part No.	*Mfr.	Product No.	Contact Arr.	Pins	1	10	25	50
282124	P&B	27E121	3PDT	11	\$6.39	\$5.89	\$5.39	\$5.19

DIN Rail Relay Socket for KHAU Series (14-Blade Square)

Part No.	*Mfr.	Product No.	Contact Arr.	Pins	1	10	25	50
175557	JVP	27E894	4PDT	14	\$3.39	\$3.09	\$2.75	\$2.49
282183	P&B	27E894	4PDT	14	7.29	6.89	6.65	6.35

Standard Relay Socket for KRPA Series (Octal)

Part No.	*Mfr.	Product No.	Contact Arr.	Pins	1	10	25	50
282132	P&B	27E122	DPDT	8	\$4.25	\$4.05	\$3.85	\$3.66

Standard Socket for BTA1 Series (Octal)

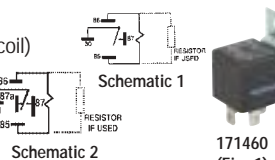
Part No.	*Mfr.	Product No.	Contact Arr.	Pins	1	10	25	50
141145	BTA	PF-083A	DPDT	8	\$4.29	\$4.14	\$3.64	\$3.21

*Web Code: TEM

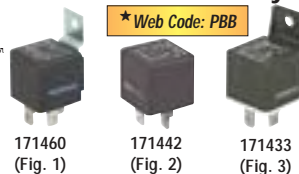
Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A • Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



*Web Code: PBB



Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Coil Voltage	Pins	Pricing			
									1	10	50	100
171460	LD1A-12F	VF4-81F11S01	1	SPST-NO	78	1	14VDC	4	\$3.19	\$2.91	\$2.63	\$2.17
171442	961A-1A12D	VF4-11F11	2	SPST-NO	90	1	14VDC	4	2.89	2.59	2.49	2.45
148583	LD12F	VF4-85F11	3	SPDT	78	2	12VDC	5	3.09	2.89	2.59	2.39
171433	961A-1C-12DM	VF4-81F11	3	SPDT	90	2	12VDC	5	3.19	2.99	2.69	2.35

* Comes with a removable clip

Reed-Based Magnetic Proximity Sensor

- Hermetically sealed contacts
- Zero power consumption
- Suitable for AC/DC circuits
- Contact resistance: 0.2Ω max.
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C
- Max. switching voltage: 175VDC @ 0.5A
- Typical op. time: 0.6ms • SPST NO



Part No.	Mfr.	Part No.	Description	1	10	25
513359	MP201901	10-Watt	.....	\$2.85	\$2.66	\$2.53



Magnetic Proximity Switch Sensor

- Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC
- Contact form: SPST NO
- Operating temp.: -40°C to 100°C
- Mechanical & electrical life: 10 million operations
- Housing/spacer/cover: ABS plastic (UL94V-0), white
- Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule
- Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white
- Adhesive mounting: (MPS45WGW only) – foam backed, pressure sensitive
- Potting: epoxy
- Contact resistance: 100mΩ max. initial
- Dielectric strength: 200VDC min.

Part No.	Mfr.	Part No.	Description	1	10	100
588131	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap	.....	\$6.29	\$5.81	\$5.36

*Magnetic Proximity Sensors Available Online — Enter Web Code CCC

* BTA = Beta | JVP = Jameco ValuePro | P&B = Potter & Brumfield



Circuit Breakers

- Quick connect style terminals
- Actuator: black plastic button
- Mounting hole: 0.450"
- Included hardware: nut, knurled nut, ID plate



*Web Code: LCF

Part No.	Mfr.	P/N	Curr. Rating (A @ VAC)	1	10	50	100
621376	35-2105	5 @ 125/250	.....	\$4.75	\$3.69	\$3.49	\$3.29
621413	35-2110	10 @ 125/250	.....	4.75	3.69	3.49	3.29
621430	35-2115	15 @ 125/250	.....	3.29	3.19	2.82	2.59
621448	35-2120	20 @ 125/250	.....	4.75	3.69	3.49	3.29

Relay Socket with Coil Diode

VF4 Type

- Diode coil suppression
- Contact voltage: 12V
- Contact current: 20A
- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire (7.5" length)
- Use with P/N 148583, left



Part No.	Cross Ref. No.	1	10	50	100
170624	RSD03	\$2.35	\$2.15	\$1.89	\$1.55

*I/O Module Relays Online — Enter Web Code TBW

*Bistable, Impulse Relays Online — Enter Web Code QDR

Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)



Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Fast response
- 6' long cable
- Pre-tinned pigtail
- Short circuit protected
- LED status indicator
- Sensing distance: ±10% (tin)



* Web Code: MAX

Part No.	Mfr. Part No.	Output Circuit	Effec. Dist. (Inch)	Standard Target (Inch)	Size (L" x Dia. ")	Mounting Hole (In.)	Pricing		
							1	10	25
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$11.95	\$10.95	\$9.95
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	23.95	19.95	16.95
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	24.95	22.69	20.95

Pressure Sensor

- Pressure range: -1.1 to 2.5 PSI
- Operating voltage: 5V @ <10mA
- Max. excitation voltage: 8V
- 1/8" diameter tubing is applicable
- Pressure media: non-corrosive gas
- Pre-calibration of offset volt. & span
- Maximum load pressure: twice rated pressure
- On-chip amplification and temp. compensations
- Volt-level output
- Size: .55"L x .47"W x .20"H

* Web Code: CBF

Part No.	Product No.	Mfr.	1	10	100
196103	XFPN-025-KPGRNW1	Fujikura ..	\$12.95	\$11.49	\$9.95

* Optical Sensors Available Online — Enter Web Code ZZZ



HIH-4000 Series Humidity Sensor

* Web Code: WEG

- Linear volt. output vs %RH
- Op. temp.: -40°C to 85°C
- Accuracy (best fit straight line): ±3.5% RH
- Direct input to a controller or other device is made possible by this sensor's linear voltage output
- 3-pin SIP
- Volt. supply: 4 to 5.8VDC
- Current supply: 500µA max.
- Designed specifically for high volume OEM

Part No.	Mfr. Part No.	Description	1	10	100
1860248	HIH-4000-003	0.10" lead pitch SIP w/ calibration & data printout	\$28.55	\$22.82	\$21.68

Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering

Part No.	Description	Nominal Resistance	1	10
150551	Flex sensor	10kΩ	\$13.35	\$12.19



Magnetic Transducers (Speakers)

- Applied voltage: 1/2 duty, square wave
- Blue Part No. = Limited Quantity Available

QUANTITY SAVE

* Web Code: JMT

* Order in multiples of 10

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Frequency (Hz)	Sound (dB)	Dimensions (H x Dia.)	Pricing		
									1	10	100
207918	Jameco ValuePro	DB105GFPN	1	1.5/30	1 – 2	2048	75	.22" x .47"	*	\$2.10	\$1.18
138722	Jameco ValuePro	DB111A-PN	2	1.5/10	1 – 2	2048	80	.32" x .46"	1.55	1.38	1.18
138740	Jameco ValuePro	DBX05-PN	2	5/40	3 – 8	2400	85	.35" x .46"	1.49	1.34	1.19
106500	Jameco ValuePro	SBT-1205	2	5/40	3 – 8	2400	85	.40" x .48"	1.49	1.35	1.09
1537408	Various	QMB-01	3	1.5/15	—	2048	80	.53" x .63"	1.25	.99	.79
673926	Various	SEP2202A	4	3-20/11	3 – 20	3000	85	.64" x .96"	1.49	1.25	.99
673871	Various	PRT-1205	2	5/40	3 – 8	2400	90	.35" x .46"	.79	.65	.49
673774	Jameco ValuePro	SBT-1612	3	12/40	6 – 18	2048	85	.53" x .62"	1.25	.99	.79

Piezo Transducers (Speakers)

* Web Code: JPT

Part No.	Manufacturer	Mfr. Part No.	Fig.	Rated Voltage	Max. Current	Res Frequency	Sound (dB)	Dimensions (H x Dia.)	Pricing		
									1	10	100
1956784	Velleman	TV4	1	1.5Vp-p	1.5mA	4KHz	75	14mm x 50mm	\$2.95	\$2.84	\$2.69
1956776	Velleman	TV1	2	1.5Vp-p	1.5mA	4KHz	85	6mm x 30mm	1.09	.99	.95

Piezo Buzzers (Annunciators)

NEW MARKED IN PINK

QUANTITY SAVE

* Web Code: JPB

Part No.	Manufacturer	Cross Ref. No.	Fig.	Tone	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions (H x Dia.)	Pricing		
										1	10	100
123538	Jameco ValuePro	11D3240	1	Dual*	24/20	4 – 28	2900	80	1.4" x 1.7"	\$4.19	\$3.79	\$3.65
336989	Jameco ValuePro	SC616N	2	Single	6-16/6-22	6 – 16	2900	95	1.28" x 1.69"	4.85	4.35	3.90
335695	Jameco ValuePro	PF-20A35EW	3	Fast pulse	12/10	3 – 28	3500	95	.98" x 1.10"	4.29	3.66	2.75
1956733	Velleman	SV10	4	Dual	12/8	3 – 28	2900	90	.79" x 1.10"	8.95	8.59	8.15
1956741	Velleman	SVM06	5	Single	6/20	3 – 7	300-500	75	.91"L x .63"W x .59"H	2.05	1.91	1.71
1956750	Velleman	SVM12	5	Single	12/15	7 – 17	300-500	75	.91"L x .63"W x .59"H	2.05	1.91	1.71
1956725	Velleman	SV8	6	Single	12/6	3 – 16	4000	85	.30" x .55"	2.45	2.34	2.21
1956717	Velleman	SV5	7	Dual	12/8	3 – 28	3500	90	.77 x 1.28"	6.39	6.15	5.79
1956709	Velleman	SV4/12-S	8	Single	12/15	8 – 16	3200	85	.30" x .47"	3.65	3.45	3.25
1956696	Velleman	SV4/5-S	8	Single	5/25	3 – 6	3200	87	.30" x .47"	3.65	3.45	3.27
1956688	Velleman	SV4	9	Single	12/12	4 – 15	2800	90	.79" x 1.10"	1.85	1.78	1.68
1956670	Velleman	SV2	10	Single	12/15	4 – 15	2800	85	.57" x 1.10"	2.19	2.09	1.99
1956661	Velleman	SV1	11	Dual	12/30	1 – 13	2900	105	1.02" x 1.77"	5.95	5.75	5.45
1956768	Velleman	SVM24	5	Single	24/20	16 – 30	300-500	75	.91"L x .63"W x .59"H	2.45	2.34	2.21
32602	Jameco ValuePro	11S3240-R	1	Single	24/15	1 – 27	2900	95	1.4" x 1.7"	4.95	4.45	4.29
335513	Jameco ValuePro	MAS800S	12	Single	12/50	9 – 12	2800	103	15.2mm x 26mm	4.95	4.45	3.95
335557	Jameco ValuePro	MSR320	13	Single	3-20/3-16	3 – 20	3400	80	.39" x .91"	2.75	2.55	2.29
76021	Jameco ValuePro	7S3240-LA	1	Single	24/20	1.5 – 28	3200	95	1.0" x 1.1"	6.55	6.15	5.95
336049	Jameco ValuePro	PK-27N36W	2	Pulse	12/15	3 – 28	3500	90	10mm x 30mm	2.95	2.45	2.25
138713	Jameco ValuePro	32S4120-PN	14	Single	12/7	3 – 16	4000	80	.30" x .54"	1.47	1.40	1.33
335855	Jameco ValuePro	PK-12N40P	6	Pulse	12/10	3 – 15	4100	83	8mm x 14mm	4.45	3.95	3.55
196357	Various	AI-175	14	Single	12/5.8	3 – 16	4000	86	.30" x .54"	1.95	1.75	1.49

* Continuous or Fast Pulse

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

JAMECO ValuePro

Piezo Siren

* Web Code: POS

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions (H" x Dia.)	Pricing			
									1	10	100	1000
336225	Jameco ValuePro	PS-562	1	12/40	5 - 15	2500/3500	100	16mm x 42mm	\$6.79	\$6.17	\$4.91	\$3.66
207888	Jameco ValuePro	18R3120	2	12/120	9 - 15	1500/3100	105	3.4L x 2.2W x 1.3H	7.19	6.95	6.59	6.35



Fig. 1



Fig. 2

JAMECO ValuePro

Magnetic Buzzer

* Web Code: MBZ

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions (H x Dia.)	Pricing			
									1	10	100	1000
76065	Jameco ValuePro	TDB05-PN	1	5/30	4 - 7	2300	85	.35" x .46"	\$3.35	\$2.99	\$2.79	\$2.69



JAMECO ValuePro

Mechanical/Electromechanical Buzzers

* Web Code: MEB

Part No.	Manufacturer	Cross Ref. No.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Frequency (Hz)	Sound (dB)	Dimensions (H x Dia.)	Pricing		
									1	10	100
335370	Jameco ValuePro	AST200	1	3/80	2 - 5	2731	85	8.7 sq. x 4.2 H	\$2.95	\$2.55	\$2.25
335441	Jameco ValuePro	AST800	1	3	2 - 4.5	3200	87	11 W x 14 D x 3.5 H (mm)	3.25	2.93	2.55
24871	Jameco ValuePro	63S109LA	2	9/30	6 - 12	400	75	1.3L x 0.7W x 0.6H	1.85	1.68	1.50
140695	Jameco ValuePro	63S1120-LA	2	12/25	9 - 15	400	75	1.3L x 0.7W x 0.6H	2.09	1.80	1.27



Fig. 1



Fig. 2

Ultrasonic Sensor Sets

* Web Code: CAU

- Use for motion or distance sensing
- Frequency: 40kHz \pm 1.0kHz
- Aluminum case

- 136654: Transmit/Receive Set** • Capacitance: 2000pF \pm 30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40 \pm 1.0kHz
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40 \pm 1.0kHz (R=3.9k Ω)

- 139492: Transmit/Receive Set** • Capacitance: 2000pF \pm 20%
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 \pm 1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 \pm 1.0kHz (R=3.9k Ω)

Part No.	Cross Ref. No.	Case Size	Lead Length/Spacing	1	10	50
136654	40TR16F	0.47"H x 0.62"Dia.	0.39"	\$8.25	\$7.00	\$5.25
139492	40TR12B	0.30"H x 0.43" Dia.	0.28"	7.95	7.35	6.95



30mm PCB Mountable Speaker (8 Ω)

- Ideal for PC board mounting
- Solder leads
- Pin spacing: 15mm
- Output SPL: 82 dB
- Impedance: 8 Ω
- Mylar diaphragm
- Dimensions: 1.2"Dia. x 0.5"D
- Frequency range: 700 - 5000Hz
- Nominal input: 0.15W; max. input: 0.2W



Part No.	Cross Ref. No.	1	10	100	1000
135722	36MS30008	\$1.95	\$1.75	\$1.49	\$1.19

JAMECO ValuePro

Round Piezo Speakers

NEW MARKED IN PINK

QUANTITY SAVE

* Web Code: PSK

Part No.	Manufacturer	Product No.	Fig.	Rated Voltage	Max Current	Res. Freq.	Sound (dB)	Dimensions (H x Dia.)	Pricing			
									1	10	100	1000
336276	Jameco ValuePro	PT-1250W	1	12Vp-p	2mA	4kHz	75	13mm x 30mm	\$1.89	\$1.45	\$1.36	\$1.29
336314	Jameco ValuePro	PT-2038FW	2	12Vp-p	3mA	4kHz	80	4.5mm x 24mm	1.38	1.24	1.00	.75
2077280	Panasonic	24C411	3	15Vp-p	2mA	4kHz	85	24mm x 6mm	.99	.75	.59	.49



Fig. 1



Fig. 2



Fig. 3

Flat Element, Square Speakers

* Web Code: XAE

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part No.	Product No.	Dimensions (Dia. x D)	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia. x H)	Pricing		
			Nom (W)	Max (W)					1	10	100
34025	GSP02-R	1.2 x 0.2	0.4	0.8	8	70	1300 - 8000	1.2 x 0.1	\$2.35	\$2.10	\$1.54
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 - 6000	1.6 x 0.1	1.95	1.49	1.25
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 - 6000	1.9 x 0.1	1.75	1.49	1.19



34025 Side



34025 Back

Alnico Round, Square and Rectangular Speakers

* Web Code: EAL

- For computer case use
- Paper diaphragm
- Wide frequency response
- Pre-tinned solder lugs
- Large magnet

Part No.	Product No.	Fig.	Dimensions (Dia. x D)	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. x H)	Pricing		
				Nom (W)	Max (W)					1	10	100
1954834	NMB-0030T	1	1.8 x 0.5	0.5	1.0	8	87	550 - 6000	0.9 x 0.2	\$2.95	\$2.69	\$1.95
88411	A0200	1	2.0 x 0.8	0.2	0.4	8	87	430 - 4500	0.5 x 0.4	1.85	1.58	1.19
2077301	25S9024	1	2.25 x 0.77	0.2	0.2	8	90	450 - 4000	.87 x .77	1.95	1.75	1.55
135765	RA2425	1	2.2 x 0.8	0.25	0.5	8	87	400 - 4000	0.5 x 0.4	1.59	1.43	1.07
111588	B0102	2	1.7 x 0.6	0.1	0.3	8	83	500 - 5500	0.5 x 0.4	2.29	1.85	1.55
1954826	R11-49T	2	2.9 x 1.2	0.5	1.0	16	89	300 - 7500	0.9 x 0.4	2.95	2.69	1.95
1954842	609-0033T	3	3.6 x 2.0 x 1.5	1.0	3.0	16	89	200 - 3000	0.9 x 0.7	3.49	2.95	2.49
1954851	R-A162T	2	4.0 x 1.5	1.0	2.0	16	89	200 - 3500	0.9 x 0.6	3.79	3.39	2.79
135812	A1527C02	3	1.6 x 2.8 x 1.2	2.0	5.0	8	82	450 - 20000	0.5 x 0.5	4.85	4.09	3.64
1950972	I-826-219*	4	8.2 x 2.2 x 2.0	1.0	13.0	8	95	30 - 20000	1.5 x 2.8	9.95	7.95	5.95

*Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D) † with wire leads †† pair of wire leads (2) 11"10"



Fig. 1

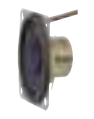


Fig. 2



Fig. 3

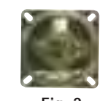


Fig. 4

Micro Round Speaker

* Web Code: TBX

Part No.	Product No.	Dimensions (Dia. x D)	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. x H)	Pricing		
			Nom (W)	Max (W)					1	10	100
307871	GC0401M	1.57 x 0.67	0.2	0.3	8	80	600 - 8000	0.71 x 0.43	\$1.25	\$.99	\$.75



Side



Back

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Round Ferrite Speakers

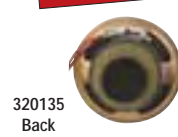
- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Paper diaphragm
- Braided copper voice coil leads

Part No.	Manufacturer	Product No.	Dimensions (Dia. x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. x H")	Pricing		
				Nom	Max					1	10	100
320135	Various	C35128A†	2.0 x 0.7	0.2	0.4	8	83	420 - 5000	1.3 x 0.4	\$1.49	\$1.25	\$1.09
10840	Jameco ValuePro	FE201	2.2 x 0.7	0.2	0.4	8	88	400 - 4500	1.3 x 0.4	1.95	1.69	1.55
1954800	Regal	R-F163†	3.0 x 1.3	1.5	3.0	16	89	200 - 3000	1.8 x 0.4	2.95	2.69	1.95

† With lead wires

★ Web Code: TAT

For speaker wire, see page 48



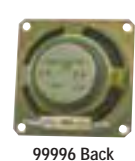
Square Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Part No.	Manufacturer	Product No.	Dimensions (Dia. x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. x H")	Pricing		
				Nom	Max					1	10	100
135694	Various	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 - 6000	1.3 x 0.5	\$1.99	\$1.80	\$1.60
249493	Various	66SF25	2.6 x 0.8	0.3	0.5	25	10	320 - 4000	1.3 x 0.5	2.49	2.09	1.59
31959	Various	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 - 8000	1.3 x 0.5	2.69	2.39	2.15
99996	Various	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 - 14000	1.8 x 0.5	2.69	2.39	2.05
1954818	Various	UF19016	4.0 x 1.4	6.0	10.0	8	89	200 - 10000	2.2 x 0.4	3.95	3.59	2.95

★ Web Code: EDT

NEW MARKED IN PINK



Omni-directional Electret Condenser Microphone Cartridges

- Modems for computers
 - Used for recording, testing, and monitoring
- Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

Part No.	Manufacturer	Product No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing			
													1	10	100	1000
1950948	SPK Electronic	EM-4F-31	-60 ±3dB	50-16,000	10VDC	3.0VDC	0.5mA	-3dB @ 3V	>58dB	>2.2kΩ	PC pin leads	.27" x .39"	\$.89	\$.79	\$.69	\$.59
136574	Jameco ValuePro	WMM-60PC	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	.79	.69	.59	.49
320179	Various	EM-99	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	.84	.76	.68	.62

★ Web Code: OBW



Instrumentation Knobs

(1/4" Shaft Diameters)

JAMECO ValuePro

- Set screw for secure attachment



JAMECO EXCLUSIVE

★ Web Code: EBD

Part No.	Cross Ref. No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
264998	JK-902A	Black	White	.69 x 1.31	1	\$.89	\$.67	\$.62
265009	JK-902B	Black	White	.60 x .95	1	.65	.60	.56
264920	JK-901A	Black/alum	White	.79 x 1.77	2	1.59	1.33	1.10
264955	JK-901C	Black/alum	White	.61 x 1.06	2	.79	.62	.56
264990	JK-901D	Black/alum	White	.47 x .78	2	.87	.73	.61
264883	RN-112A	Black/alum	Numeric	.90 x 1.46	3	.98	.84	.79
264892	RN-113A	Black/alum	Numeric	.70 x 1.15	3	1.05	.89	.80
102788	JK-903C	Black	White	.54 x 1.25	4	.64	.41	.39
104176	JK-902C	Black	White	.49 x .75	5	1.04	1.01	1.00
202287	CP-Z1-M-S	Black/alum	White	.60 x .80	6	.80	.62	.56
136241	GKB-214	Black/alum	White	.52 x .54	7	.87	.73	.61
138393	41108-1	Black/alum	White	.56 x .85	7	1.22	1.04	.94

Part No.	Cross Ref. No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
264823	CPBTA191AS6.4BK	Black/black	White	.79 x .77	10	\$1.04	\$.88	\$.69
265051	JK-905A	Black/red	White	.58 x .57	8	.99	.89	.79
265077	JK-905C	Black/blue	White	.58 x .57	8	.98	.84	.63
265018	JK-904A	Black/red	White	.47 x .78	9	1.02	.79	.72
265261	CR-MS-5C5-T18	Grey	Grey	.68 x .51	10	.55	.49	.45
265228	CR-MS-1C5-T18	Grey	Red	.68 x .51	10	.74	.63	.495
290125	42008-1	Silver	Silver	.500 x .625	11	1.99	1.79	1.61
162481	K5-1/4S	Chrome	Silver	.500 x .560	12	1.49	1.37	1.03
162499	K5-1/4B	Black	White	.500 x .560	13	1.95	1.75	1.59
138482	KN031	Aluminum	Black	.610 x .650	14	1.95	1.76	1.60
138502	KN032	Aluminum	Black	.870 x .750	14	2.65	2.34	2.13
138511	KN033	Aluminum	Black	1.18 x .870	14	2.99	2.69	2.44

* For use with 1/4" knurled shaft † 1/8" shaft diameter

★ Hardware Available Online — Enter Web Code DDW

PCB Standoff Mounting Hardware

- Snap "on"
- Nylon

Part No.	Cross Ref. No.	Dimensions	Holes	1	10	100	1000
129252	PCST2	0.9"L x 0.4"Dia.	0.2"/0.3"	\$.25	\$.21	\$.18	\$.12

Hardware and Spacer Assortment Kit

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —
Part No.	Description	Wt. (lbs.)	1	10	
108433	2300 pcs. Hardware kit	7.5	\$89.95	\$75.95	

SAVE \$22

Terminal Turret

- Material: brass, bright tin plated
 - Mounting hole: .078" dia.
- * Order in multiples of 10

Part No.	Mfr. Part No.	Description	Size	1	10	100
1582410	1520-2	Single	.187"L x .109" PCB thickness	\$.12	\$.108	

Instrumentation Handles

- 1954797: Round aluminum black anodized
- 6-32 thread-on 1.25" centers (2)
- 216821/457801: Oval aluminum
- 10-32 thread-on 3.00" centers (2)

NEW MARKED IN PINK



Part No.	Product No.	Mfr.	Size (L" x H" x D")	1	10	100
1954797	9116	Keystone	1.4 x 1.0 x .187	\$1.95	\$1.75	\$1.49
216821	8358-1032-B-5	Various	3.0 x 1.3 x 0.3	3.95	3.75	3.49
457801	811-0632-A-24	Various	3.0 x 1.0 x 0.4	1.95	1.49	.99

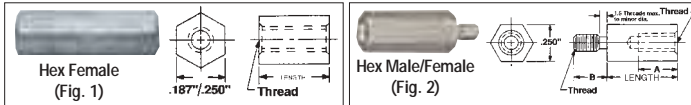
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

RAF .187"/.250" Hex Threaded Standoffs

† Finish: Iridite (clear); 1 per MIL-C-5541-D; 2 zinc clear chromate

* Web Code: TBQ



.187" Hex Female 4-40 Thread (Fig. 1)

QUANTITY SAVE

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
133613	2053-440AL7	Alum 1	.250"	\$.29	\$.17	\$.14
133640	2057-440AL7	Alum 1	.500"	.35	.23	.17
139185	2065-440AL7	Alum 1	1.000"	.49	.35	.29

.250" Hex Female 4-40 Thread (Fig. 1)

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
139192	2100-440AL7	Alum 1	.250"	\$.15	\$.12	\$.08
77500	2102-440A7	Alum 1	.375"	.17	.13	.08
393693	2102-440B12	Brass 2	.375"	.54	.35	.23
134763	2103-440AL7	Alum 1	.437"	.35	.19	.15
108371	2104-440AL7	Alum 1	.500"	.39	.21	.17
393713	2104-440B12	Brass 2	.500"	.55	.35	.25
77519	2106-440AL7	Alum 1	.625"	.43	.25	.19
133605	2108-440AL7	Alum 1	.750"	.39	.21	.19
393731	2108-440B12	Brass 2	.750"	.70	.66	.62
139205	2112-440A7	Alum 1	1.000"	.29	.19	.13
393749	2112-440B12	Brass 2	1.000"	.71	.56	.42

.250" Hex Female 6-32 Thread (Fig. 1)

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
77535	2100-632AL7	Alum 1	.250"	\$.25	\$.15	\$.12
133591	2102-632A7	Alum 1	.375"	.25	.12	.08
77542	2104-632A7	Alum 1	.500"	.19	.13	.08
393772	2104-632B12	Brass 2	.500"	.59	.35	.30
77552	2106-632AL7	Alum 1	.625"	.39	.23	.17
77569	2108-632A7	Alum 1	.750"	.25	.19	.12
77578	2112-632AL7	Alum 1	1.000"	.45	.29	.25
143407	2120-632A7	Alum 1	1.500"	.55	.39	.29
393811	2120-632B12	Brass 2	1.500"	.95	.71	.59
143441	2124-632AL7	Alum 1	1.750"	.72	.547	.353

.187" Hex Male/Female 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
393458	4501-440AL7	Alum 1	.250"	\$.357	\$.339	\$.322
393474	4505-440AL7	Alum 1	.500"	.46	.39	.32
393503	4513-440AL7	Alum 1	1.000"	.47	.35	.30
139791	2058-440A7	Alum 1	.562"	.24	.19	.16

.187" Hex Male/Female 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
393588	4513-632AL7	Alum 1	1.000"	\$.39	\$.29	\$.25

.250" Hex Male/Female 4-40 Thread (Fig. 2) (A: .250"; B: .187")

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
77586	4530-440AL7	Alum 1	.250"	\$.29	\$.21	\$.18
77594	4532-440AL7	Alum 1	.375"	.357	.199	.126
393845	4532-440B12L	Brass 2	.375"	.71	.47	.42
111756	4534-440AL7	Alum 1	.500"	.39	.29	.23
139214	4536-440AL7	Alum 1	.625"	.423	.288	.189
139222	4538-440AL7	Alum 1	.750"	.45	.35	.25
139231	4542-440AL7	Alum 1	1.000"	.52	.41	.39
128566	4546-440AL7	Alum 1	1.250"	.461	.402	.382
166546	4550-440AL7	Alum 1	1.500"	.69	.59	.49

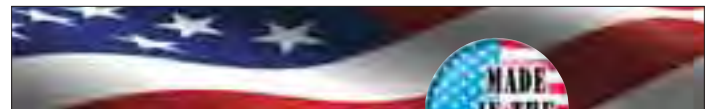
.250" Hex Male/Female 6-32 Thread (Fig. 2) (A: .375"; B: .250")

Order in multiples of 5

Part No.	Mfr. Part No.	Metal†	Hex Length	5	100	1000
133542	4530-632AL7	Alum 1	.250"	\$.39	\$.25	\$.19
133568	4532-632AL7	Alum 1	.375"	.39	.25	.19
77607	4534-632AL7	Alum 1	.500"	.403	.221	.176
77623	4538-632AL7	Alum 1	.750"	.49	.42	.315
77650	4542-632AL7	Alum 1	1.000"	.59	.49	.35

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



RAF Electronic Hardware sets the quality standard for electronic hardware components. Jameco is proud to feature RAF's **Made in the USA** product line of thumbscrews, spacers, handles and standoffs.

RAF's entire product line is RoHS compliant and perfect for all industry sectors especially computers, telecommunications, medical and military. RAF has earned Jameco's highest quality mark.



* RAF Electronic Hardware Available Online — Enter Web Code RAF

Thumbscrew



Washer-Face Aluminum

* Web Code: VBZ



Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393976	7100-A 2	4-40	5/16"	5/8"	\$1.75	\$1.36	\$1.23	\$1.17



Aluminum Round Spacers

- Iridite clear finish
- 1/4" OD

* Web Code: TBQ



Part No.	Product No.	Description	1	10	100	1000
393115	1128-4-A-7	1/2", #4 ID (0.115")	\$.36	\$.29	\$.28	\$.21
393297	1126-6-A-7 2	3/8", #6 ID (0.140")	.30	.242	.23	.218

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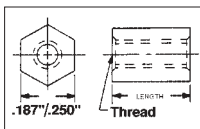
.187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

† Finish: Iridite (clear); ¹ per MIL-C-5541-D; ² bright tin plate; ³ stainless steel; ⁴ brass (plain); ⁵ zinc clear chromate

★ Web Code: TBQ



Female

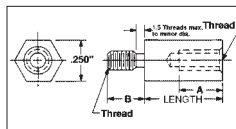


Hex Female (Fig. 1)

QUANTITY SAVE



Male/Female



Hex Male/Female (Fig. 2)

.187"/.250" Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1) • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			10	100	1000
175636	Brass ²	.187"	\$.19	\$.15	\$.12
102796	Brass ²	.250"	.35	.289	.206
133613	Alum ¹	.250"	.29	.17	.14
133640	Alum ¹	.500"	.35	.23	.17
139185	Alum ¹	1.000"	.49	.35	.29

.250" Hex 4-40 Thread (Fig. 1) • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
139192	Alum ¹	.250"	\$.15	\$.12	\$.08
1944353	Brass ²	.250"	.39	.25	.19
77500	Alum ¹	.375"	.17	.13	.08
393693	Brass ⁵	.375"	.54	.35	.23
134763	Alum ¹	.437"	.35	.19	.15
108371	Alum ¹	.500"	.39	.21	.17
393713	Brass ⁵	.500"	.55	.35	.25
77519	Alum ¹	.625"	.43	.25	.19
133605	Alum ¹	.750"	.39	.21	.19
1944370	Brass ⁴	.750"	.69	.35	.29
393731	Brass ⁵	.750"	.70	.66	.62
139205	Alum ¹	1.000"	.29	.19	.13
393749	Brass ⁵	1.000"	2.03	1.85	1.65

.250" Hex 6-32 Thread (Fig. 1) • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
77535	Alum ¹	.250"	\$.25	\$.15	\$.12
1582398	Brass ⁴	.250"	.25	.19	.12
133591	Alum ¹	.375"	.25	.12	.08
1582400	Brass ⁴	.375"	.29	.25	.17
77542	Alum ¹	.500"	.19	.13	.08
393772	Brass ⁵	.500"	.59	.35	.30
77552	Alum ¹	.625"	.39	.23	.17
77569	Alum ¹	.750"	.25	.19	.12
77578	Alum ¹	1.000"	.45	.29	.25
1944388	Brass ⁴	1.000"	.39	.35	.29
143407	Alum ¹	1.500"	.55	.39	.29
393811	Brass ⁵	1.500"	.95	.71	.59
143441	Alum ¹	1.750"	.72	.547	.353

.187"/.250" Hex Male/Female Standoffs

.187" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
393458	Alum ¹	.250"	\$.357	\$.339	\$.322
393474	Alum ¹	.500"	.46	.39	.32
393503	Alum ¹	1.000"	.47	.35	.30
139791	Alum ¹	.562"	.24	.19	.16

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
393588	Alum ¹	1.000"	\$.39	\$.29	\$.25

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187")

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
77586	Alum ¹	.250"	\$.29	\$.21	\$.18
1582330	Brass ⁵	.250"	1.25	1.15	1.00
77594	Alum ¹	.375"	.357	.199	.126
393845	Brass ⁵	.375"	.71	.47	.42
111756	Alum ¹	.500"	.39	.29	.23
139214	Alum ¹	.625"	.423	.288	.189
139222	Alum ¹	.750"	.45	.35	.25
139231	Alum ¹	1.000"	.52	.41	.39
128566	Alum ¹	1.250"	.461	.402	.382
166546	Alum ¹	1.500"	.69	.59	.49

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250")

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
133542	Alum ¹	.250"	\$.39	\$.25	\$.19
133568	Alum ¹	.375"	.39	.25	.19
77607	Alum ¹	.500"	.403	.221	.176
77623	Alum ¹	.750"	.49	.42	.315
77650	Alum ¹	1.000"	.59	.49	.35
206623	Steel ³	1.250"	1.25	.99	.75

.250" Round Threaded Standoffs

• Aluminum or Brass

† Finish: Iridite (clear);

¹ per MIL-C-5541-D; ² brass (plain)

.250" Round 4-40 Thread Female



★ Web Code: TBQ

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
1945102	Alum ¹	.250"	\$.39	\$.22	\$.19
1944468	Brass ²	.250"	.25	.19	.15
1944530	Alum ¹	.375"	.22	.15	.12
1944564	Alum ¹	.500"	.29	.22	.17
1944476	Brass ²	.500"	.39	.25	.17
1945129	Alum ¹	.750"	.45	.23	.19
1944484	Brass ²	.750"	.59	.39	.29
1944599	Alum ¹	1.000"	.49	.32	.25

.250" Round 6-32 Thread Female

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
1944610	Alum ¹	.250"	\$.19	\$.13	\$.10
1944492	Brass ²	.250"	.25	.15	.11
1944628	Alum ¹	.375"	.22	.15	.11
1944505	Brass ²	.375"	.25	.19	.15
1945145	Alum ¹	.500"	.35	.19	.17
1944521	Brass ²	.500"	.39	.25	.17
1944644	Alum ¹	.750"	.39	.25	.17
1944652	Alum ¹	1.000"	.55	.35	.25

SAE Hardware

★ Web Code: BAG

• Zinc-plated steel



Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiples	
				100	1000
40952	4-40	Std	.250	\$.024	\$.015
40970	4-40	Std	.375	.018	.015
106810	4-40	Std	.500	.043	.031
106543	6-32	Std	.250	.018	.013
42446	6-32	Std	.375	.025	.018
106797	8-32	Std	.500	.07	.053

Hex Nuts

Part Number	Screw Size	Thread	Length (inches)	100 piece multiples	
				100	1000
38165	2-56	Std	.183	\$.014	\$.013
40943	4-40	Std	.243	.035	.018
42420	6-32	Std	.306	.021	.017

Flat Washers

Part Number	Screw Size	Length (inches)	100 piece multiples	
			100	1000
211131	4	.237	\$.025	\$.015
106826	4	.281	.034	.023
106833	6	.373	.028	.023

Internal Tooth Lock Washers

Part Number	Screw Size	Length (inches)	100 piece multiples	
			100	1000
106850	4	.258	\$.007	\$.005
106868	6	.277	.018	.014

Split Lock Washers

Part Number	Screw Size	Length (inches)	100 piece multiples	
			100	1000
40977	4	.242	\$.02	\$.015
42463	6	.240	.02	.015

3M

Adhesive Rubber Feet



Fig. 1



Fig. 2



Fig. 3

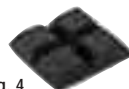


Fig. 4

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.

Bump™ Protective Products

★ Web Code: FAV

Part No.	Mfr. P/N	Type	Fig.	Pack	W" x H"	1	10	50
142658	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	\$ 6.99	\$ 5.99	\$ 5.49
142771	SJ5008BLKC	Black square	2	100	.50 x .12	7.99	5.99	4.99
142682	SJ5018BLKC	Black square	3	100	.50 x .23	10.95	8.99	7.99
126981	SJ5023BLK4	Black square	4	4	.81 x .30	1.59	1.40	1.30
142666	SJ5023BLKC	Black square	4	100	.81 x .30	14.99	12.99	10.99

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



135394 - Capacitors



135271 - LEDs



169578 - Photocells



18294 - Toy Motors



149649 - Fans



55968 - Spacers



319600 - Cabinet

• Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213) referenced towards the bottom of the page.

Capacitor Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 assorted ceramic disc capacitors	0.2	\$6.95	\$5.95
135335	GB100LB	900 assorted ceramic disc caps	1.0	15.95	13.95
17881	GB101	100 assorted mylar capacitors	0.3	5.95	4.95
135458	GB101LB	400 pcs assorted mylar capacitors	1.0	14.95	12.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	6.95	5.95
135394	GB102LB	300 assorted electrolytic caps radial, axial, snap (photo above)	1.0	12.95	10.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	12.95	10.95

Resistors & Resistor Network Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
134130	GB115	200 asst. 1/8, 1/4, 1/2 resistors (2.5&10%)	0.8	5.95	4.95
18104	GB116	200 assorted 1/4W resistors (5&10%)	0.1	4.95	3.95
135351	GB116LB	2000 assorted 1/4W resistors	0.75	14.95	12.95
18139	GB117	200 assorted 1/2W resistors (5&10%)	0.2	6.95	5.95
18163	GB118	200 asst. 1/8W resistor networks (2&5%) (8 & 10-pin SIP packages, 22Ω-150k)	0.25	5.95	4.95

Trimmers, Single & Multi-Turn Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18075	GB113	100 assorted 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	6.95	5.95
18278	GB174	100 assorted 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	0.2	8.95	7.95
135407	GB174LB	300 assorted 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	1.0	17.95	15.95

LEDs, 7-Segment Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041	GB110	100 assorted sizes & colored LEDs (T1 & T1 1/4 round and rectangular)	0.1	7.95	6.95	5.95
18323	GB186	500 assorted sizes #18041 LEDs	0.3	24.95	22.95	19.95
135271	GB110LB	1900 assorted #18041 LEDs	1.0	62.95	54.95	49.95
18201	GB162	50 assorted sizes of colored displays (7-segment LED, modules, stick)	0.5	10.95	9.95	8.95
169578	GB125	100 assorted values photocells	0.2	21.95	18.95	16.95

Schwab's School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	50
163213	GB197	Schwab's School Selection	2.0	49.95	44.95	39.95
319600	6897CAB	20 drawer component cabinet	4.7	16.95	15.25	13.95



What's your suggestion?

\$78.55 Value

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL series (74, 74ALS, 74C, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	\$10.95	\$9.95
135280	GB108LB	400 assorted TTL series (same as P/N 17996, above)	1.0	29.95	26.95
18024	GB109	100 asst. linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.6	12.95	11.49
145242	GB109LB	300 assorted linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.5	22.95	19.95
105620	GB120	100 assorted sockets (DIP IC, PGA, Headers)	0.3	7.95	6.95
135386	GB120LB	300 assorted sockets (DIP, PGA, SIMM, SIP, DIN, Headers)	1.0	15.95	13.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961	GB107	200 assorted diodes (zener, switching, silicon)	0.1	7.95	6.95	5.95
18171	GB127	100 assorted transistors (NPN, PNP, power)	0.1	7.95	6.95	5.95
114446	GB150	50 assorted crystals/oscillators	0.2	7.95	6.95	5.95

Switches, Toy Motors, Gears and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	8.95	7.95
135378	GB165LB	150 assorted #18235 switches	1.0	19.95	17.95
18294	GB182	5 assorted toy DC motors (1.5-24V)	1.1	7.95	6.95
149649	GB193	5 assorted AC&DC fans (photo above)	4.5	9.95	8.95
1943094	GB198	30 assorted gears, plastic/nylon (20, 22, 23, 59, 63 teeth vary)	0.3	13.95	11.95

Spacer & Threaded Standoff Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
55968	GB140	100 assorted 4-40, 6-32, 8-32 round/hex, alum/brass/nylon, spacers/standoffs	0.3	16.95	14.95
135423	GB140LB	300 assorted same as P/N 55968	2.0	32.95	29.95

Hardware Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571	GB149	500 assorted types of screws, nuts, washers & lock washers	1.0	6.95	5.95	4.95
171635	GB149LB	1400 assorted types; same as P/N 171571 (above)	2.0	17.95	15.95	13.95

Surprise Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (1000 pcs.)

Our Best Seller!



Part No.	Cross Ref. No.	Description	1	10
135263	GB191LB	1000 assorted pieces electronic components	\$19.95	\$17.95

Grab bag contents will vary based on availability and may not include all noted product families.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code

DC Brushless Tubeaxial Fans



695050



1581249

*5V Web Code: TAS

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DC Brushless Tubeaxial Fans

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1809936



1951490

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
131247	Adda	AD0205LX-G50	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	\$10.95	\$9.86	\$8.76	\$7.95
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	7.95	6.95	5.95	4.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	7.95	6.95	5.95	4.95
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	8.95	7.95	6.95	5.95
1951211	Sunon	KDE0503PEV1-8 (MSN)	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	28	6"	9.95	8.95	7.95	6.95
1951220	Sunon	KDE0503PEB3-8 (MSN)	5	30 x 30 x 6.8	4.9	Ball	180	0.9	UL/TUV/CE	28	6"	10.95	9.95	8.95	7.95
1950534	Sunon	KDE0503PFB1-8V	5	30 x 30 x 10	5.1	Ball	180	0.7	UL/TUV	22.5	5"	10.95	9.95	8.95	7.95
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	8.95	7.95	6.95	5.95
1928361	Adda	AD0405MB-K90(S)	5	40 x 40 x 6.8	5.5	Ball	90	0.45	UL/TUV/CE	25	6"	10.95	9.95	8.95	7.95
1928353	Adda	AD0405HB-K90	5	40 x 40 x 6.8	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	11.95	10.95	9.95	8.95
1581249	Sunon	KDE0504PFB3-8	5	40 x 40 x 10	4.6	Ball	70	0.35	UL/CUL	23.5	12"	7.95	6.95	5.95	4.95
196373	Sunon	KD0504PFB2-8	5	40 x 40 x 10	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	7.95	6.95	5.95
1928370	Adda	AD0405HS-G70	5	40 x 40 x 10	6.7	Sleeve	190	0.95	UL/CUL/TUV/CE	25	3" w/conn	6.95	5.95	4.95	3.95
1536931	Sunon	KDE0504PFV2	5	40 x 40 x 10	7.0	Vapo	80	1.0	UL/CUL	27	12"	6.95	5.95	4.95	3.95
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	5.95	4.95	3.95
1585442	Sunon	KDE0504FB2 (MS)	5	40 x 40 x 10	7.0	Ball	140	0.7	CE	27	12"	7.95	6.95	5.95	4.95
1951238	Sunon	KDE0504PFB1-OC	5	40 x 40 x 10	7.5	Ball	200	1.0	UL/CE	28	12"	7.95	5.95	4.95	4.49
1952741	Elina	KDC050420MB	5	40 x 40 x 20	6.8	Ball/Sleeve	210	1.0	UL/CUL/TUV	25.5	12"	7.95	6.95	5.95	4.95
1951406	Delta	AFB0405HD-ROO	5	40 x 40 x 20	8.5	Ball	400	20	UL/CUL/TUV/CE	33	12" ¹	8.95	7.95	6.95	5.95
1951060	Mechatronics	M5010M05C	5	51 x 51 x 10	6.4	Ball/Sleeve	60	0.3	UL/CUL/CE	24	12"	8.95	7.95	6.95	5.95
1950500	Sunon	KDE0505PFB1-8	5	51 x 51 x 10	10.2	Ball	170	0.9	UL/TUV	31.5	12"	9.95	8.95	7.95	6.95
1809936	Sunon	KDE0505PHB2	5	51 x 51 x 15	12.7	Ball	380	1.9	UL/CUL/TUV/CE	27.8	12"	7.95	6.95	5.95	4.95
1809944	Sunon	KDE0506PHB3	5	60 x 60 x 15	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	6.95	6.25	5.59	4.69
1708431	Sunon	KD0506PHB2	5	60 x 60 x 15	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	7.95	6.95	5.95	4.95
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	9.95	8.95	7.95	6.95
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/conn	6.95	5.95	4.95	3.95
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" ²	8.95	7.95	6.95	5.95
1951086	Mechatronics	F8025E05B2-FS	5	80 x 80 x 25	46	Ball	800	4.0	UL/CUL	32	12" ²	8.95	7.95	6.95	5.95
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" ²	8.95	7.95	6.95	5.95
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" ²	10.95	9.95	8.95	7.95
1951641	Adda	AD0212LB-G50(GL)	12	25 x 25 x 10	1.8	Ball	70	0.84	UL/CUL/CE	15.6	5.5"	11.95	10.95	9.95	8.95
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	11.95	10.95	9.95	8.95
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	3.0	Ball	66	0.8	UL/CUL	25	6"	7.95	6.95	5.95	4.95
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	3.5	Ball	75	0.9	UL/CUL/TUV/CE/NDE	27	5.9"	8.95	7.95	6.95	5.95
212767	Sunon	KDE1203PFB3-8(V)	12	30 x 30 x 10	3.5	Ball	50	0.6	UL/CE	18.5	6"	9.95	8.95	7.95	6.95
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	4.2	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/conn	7.95	6.95	5.95	4.95
212741	Sunon	KDE1235PFB2-8	12	36 x 36 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CE/NDE	21	5.9"	9.95	8.95	7.95	6.95
212759	Sunon	KDE1235PFB1-8	12	36 x 36 x 10	5.2	Ball	80	1.0	UL/CUL/TUV/CE/NDE	25	5.9"	11.95	10.49	8.95	7.95
1951490	Adda	AD0412HB-K90	12	40 x 40 x 6.8	6.0	Ball/Sleeve	80	1.0	UL/CUL/TUV/CE	30	5.5"	8.95	9.95	6.95	5.95
1950526	Sunon	KD1204PFS3H	12	40 x 40 x 10	4.2	Sleeve	60	0.7	UL/TUV	22	12"	4.95	4.49	3.95	3.49
210797	Sunon	KD1204PFV3	12	40 x 40 x 10	4.9	Vapo	60	0.6	UL/CUL/TUV/CE	24	12"	5.95	4.95	4.29	3.95
279611	Toyo	T401012VH	12	40 x 40 x 10	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	4.95	3.95	3.49	2.95
212717	Sunon	KDE1204PFV2.11.MS.AGN	12	40 x 40 x 10	6.5	Vapo	90	1.1	UL/CUL/TUV/CE/NDE	27	12"	5.95	4.95	4.49	3.95
1585469	Y.S. Tech	FD1240107B-2N	12	40 x 40 x 10	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	5.95	4.95	3.95	3.25
290010	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/conn	6.95	5.95	4.95	3.95
1928054	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/conn	5.95	4.95	3.95	3.25
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	7.95	6.95	5.95	4.95
189691	Sunon	KD1204PFS1-11.GN	12	40 x 40 x 10	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	7.95	7.19	6.49	4.95
212725	Sunon	KDE1204PFV1	12	40 x 40 x 10	8.3	Vapo	110	1.4	UL/CUL/TUV/CE/NDE	34.4	12"	5.95	4.95	4.49	3.95
2078151	Sunon	KD1204PFB10CM	12	40 x 40 x 10	8.5	Ball	110	1.3	UL/CUL/TUV	35	5" w/conn	8.95	7.95	6.95	5.95
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	6.95	6.25	5.59	4.95
136178	Adda	AD0412MS-C70	12	40 x 40 x 20	5.0	Sleeve	110	1.32	UL/CSA	23	9"	6.95	5.95	4.95	3.95

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection (These functions are optional, if needed)

Fans Continued on Next Page

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

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DC Brushless Tubeaxial Fans (continued)

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QUANTITY
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mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1809856	Sunon	GM1204PKV3-A	12	40 x 40 x 20	6.3	Vapo	50	0.6	UL/CSA/TUV	18	12"	\$7.95	\$6.95	\$5.95	\$4.95
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	6.95	5.95	4.95	3.95
279620	Toyo	T402012H	12	40 x 40 x 20	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	6.95	5.95	4.95	3.95
249375	Adda	ADO412HB-C56	12	40 x 40 x 20	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2 ¹	7.95	6.95	5.95	4.95
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	6.95	6.25	5.59	4.95
206164	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	17"	6.95	6.25	5.59	4.95
1928118	Adda	AD4012HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	7.95	6.95	5.95	4.95
1585291	Sunon	GM1204PKVX-A	12	40 x 40 x 20	10.8	Vapo	130	1.60	UL/CUL/CSA	27.5	5"	6.95	5.95	4.95	3.95
1951246	Sunon	PMD1204PQBX-A(2)	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	8.95	7.95	6.95	5.95
1951254	Sunon	PMD1204PQBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12 ¹	9.95	8.95	7.95	6.95
1950753	Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	6.95	5.95	4.95	3.95
212688	Sunon	KDE1245PFV1-11	12	45 x 45 x 10	11	Vapo	110	1.3	UL/CUL/TUV/CE/DE	32	12"	7.25	6.53	5.80	5.44
1918809	Jamicon	KF0510B1M	12	51 x 51 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	6.95	6.25	5.59	4.95
1950446	Sunon	KD1205PFB1(2)H	12	51 x 51 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	6.95	5.95	4.95	3.95
1809821	Sunon	GM1205PFVX-AR	12	51 x 51 x 10	12.4	Vapo	80	1	UL/CUL/TUV	36	12 ²	7.95	6.95	5.95	4.95
139601	Adda	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	5"	7.95	6.95	6.25	4.95
1809813	Sunon	GM1205PHV1-AR	12	51 x 51 x 15	17	Vapo	130	1.5	UL/CUL/TUV/CE	33	12 ²	7.95	6.95	5.95	4.95
1946025	Evercool	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9 ¹	8.95	7.95	6.95	5.95
354933	Delta	EFB0612MA-F00	12	60 x 60 x 10	15.5	Ball	80	0.95	UL/CSA/DE/CE	29	12 ¹	8.95	7.95	6.95	4.95
1928046	Adda	AD0612LX-D70GL	12	60 x 60 x 15	12	Hypro	90	1.08	UL/CUL/TUV/CE	27.2	8"	7.95	6.95	5.95	4.95
2078178	Delta	AFB0612MB	12	60 x 60 x 15	13.4	Ball	80	0.96	UL/CUL/TUV/CE	29	12"	8.95	7.95	6.95	5.95
195945	Adda	AD612MS-D71GL	12	60 x 60 x 15	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	8.95	7.95	6.95	5.25
249069	Jamicon	JF0615B1H-000-243	12	60 x 60 x 15	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	12"	9.95	8.95	7.95	6.95
1951140	Nidec	TA225CD-R33965-33	12	60 x 60 x 15	18	Ball	160	1.92	UL/CSA	30.8	12 ¹	9.95	8.95	7.95	6.95
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	7.95	6.95	5.95	4.95
1537141	Sunon	KDE1206PHB1H.H	12	60 x 60 x 15	21	Ball	150	1.8	UL/CUL/CE	37.5	12 ²	9.95	8.95	7.95	6.95
1585400	Sunon	KDE1206PHB1	12	60 x 60 x 15	21	Ball	150	1.8	UL/CSA/CE	37.5	11"	9.95	8.95	7.95	6.95
144161	Adda	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	9.95	8.95	8.49	7.95
1809961	Sunon	KDE1206PKV3.13.MS.A	12	60 x 60 x 20	15	Vapo	70	0.8	UL/CUL/TUV/CE	25	12"	5.95	5.39	4.79	4.39
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	7.95	6.95	5.95	4.95
189595	Sunon	KD1206PKS2	12	60 x 60 x 20	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	7.95	7.19	6.49	5.95
1951182	Sunon	KDE1206PKV2.MS.A.GN	12	60 x 60 x 20	18.5	Vapo	90	0.8	UL/CE	27.5	11"	7.95	7.19	6.49	5.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	6.95	5.95	5.49	4.95
1951131	Nidec	TA225DC-M34418-33L	12	60 x 60 x 25	20	Ball	220	2.64	UL/CSA	29.4	12"	8.95	7.95	6.95	5.95
102947	Jamicon	JF0625S1H	12	60 x 60 x 25	20.5	Sleeve	230	2.7	UL/CUL/TUV	33.6	12"	7.95	6.95	5.95	4.95
150422	Jamicon	JF0625B1H	12	60 x 60 x 25	21.4	Ball	230	2.7	UL/CSA/TUV	30.5	10"	7.09	6.39	5.39	4.95
195910	Sunon	KD1206PTS1-H	12	60 x 60 x 25	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	5.95	5.39	4.79	4.29
1952206	Sunon	KD1206PTB1	12	60 x 60 x 25	22.5	Ball	160	2.0	UL/CUL/TUV/CE	34	5" w/conn	8.95	7.95	6.95	5.95
1919140	Sunon	KD1206PTB1(2)	12	60 x 60 x 25	23.5	Ball	148	1.8	UL/CUL/TUV/CE	30	12 ¹	8.95	7.95	6.95	5.95
1951043	Mechatronics	6025E12B3-FS	12	60 x 60 x 25	24	Ball	230	3.5	UL/CUL	36	12 ⁴	8.95	7.95	6.95	5.95
1951158	Nidec	TA225DC-M34418-33L	12	60 x 60 x 25	25	Ball	280	3.36	UL/CSA	31.5	12 ¹	9.95	8.95	7.95	6.95
644842	Evercool	EC7530M12S-B	12	76 x 72 x 30	10.8	Sleeve	170	2.0	UL/CE/TUV	30	8" w/ conn	12.95	11.49	9.95	8.95
1951174	Nidec	GAMMA28-A34351-16	12	76 x 76 x 30	10	Ball	230	2.76	UL/CSA	39	11"	14.95	13.49	11.95	9.95
614951	Delta	BFB0712H	12	76 x 76 x 30	11.3	Ball	220	2.64	UL/CE/CSA/DE	38	12"	14.95	13.49	11.95	10.95
401269	Delta	AFB0812LB	12	80 x 80 x 15	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	7.95	6.95	5.95	4.95
1950163	Sunon	KD1208PHB3H	12	80 x 80 x 15	25.5	Ball	120	1.4	CE	28	12"	7.95	6.95	5.95	4.95
109081	Adda	AD0812HS-D71	12	80 x 80 x 15	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	10.95	9.49	7.95	6.25
1708570	Sunon	KD1208PHB1-AH	12	80 x 80 x 15	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	8.95	8.49	7.95	6.95
1809987	Sunon	KDE1208PHV1.13.MS.A	12	80 x 80 x 15	40	Vapo	200	2.4	UL/CUL/TUV/CE	34	12"	8.95	7.95	6.95	5.95
141921	Adda	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	7.65	7.22	6.85	6.51
1708596	Sunon	KD1208PKB3(2).H	12	80 x 80 x 20	31	Ball	108	1.3	UL/CUL/TUV/CE	33	12"	7.95	7.19	6.49	5.95

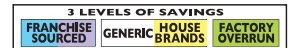
¹ 3 leads; speed sensor ² 3 leads; locked rotor protection ³ 3 leads; temperature sensor ⁴ 3 leads; thermistor speed control (These functions are optional, if needed) [†] Blower

Fans Continued on Next Page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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DC Brushless Tubeaxial Fans



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DC Brushless Tubeaxial Fans (continued)



1810030



1928100

* 12V Web Code: LBZ

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* 24V Web Code: QEF



1809995



1952880

QUANTITY
SAVE

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1537301	Panaflo	FBA08A12L	12	80 x 80 x 25	24	Sleeve	68	0.82	UL/CSA	21	11.5"	\$7.95	\$6.95	\$5.95	\$4.95
688597	NMB	3110GL-B4W-B19	12	80 x 80 x 25	24.7	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn ¹	5.95	4.95	4.49	3.95
75361	Various	FAN6*	12	80 x 80 x 25	25-40	Ball	120-200	1-2	UL/CSA	25	4-12"	5.95	4.95	4.49	3.95
16993	Various	FAN7*	12	80 x 80 x 25	25-40	Sleeve	120-200	1-2	UL/CSA	25	4-12"	5.95	4.95	4.49	3.95
234895	Adda	AD0812LB-A70GL	12	80 x 80 x 25	27.6	Ball	120	1.44	UL/CSA/CE/TUV	22.5	9"	8.89	8.02	7.48	5.61
154289	Sunon	KDE1208PTS3-6	12	80 x 80 x 25	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	12"	10.59	9.65	8.50	7.10
1952759	Max Flow	MF8025D1-LSPS	12	80 x 80 x 25	31.1	Sleeve	130	1.56	UL	29	7" w/ conn.	7.95	6.95	5.95	4.95
123530	Adda	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	7.95	6.95	5.95	4.95
1955010	NMB	3110KL-04W-B40	12	80 x 80 x 25	35.3	Ball	200	2.40	UL/CSA/TUV/CE	31	13"	7.95	6.95	5.95	4.95
1950147	Sunon	KD1208PTB2(2)HM	12	80 x 80 x 25	36	Ball	160	2.1	UL/CE/TUV	29	11" ¹	7.95	6.95	5.95	4.95
1810030	Sanyo Denki	9A0812H401	12	80 x 80 x 25	36.4	Ball	130	1.56	UL/CSA/TUV	29	12" ¹	8.95	7.95	6.95	5.95
1537387	Sunon	KD1208PTB213.(2).GN	12	80 x 80 x 25	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn.	10.95	9.95	8.95	8.49
1928038	Adda	AD0812HS-A70GL	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	34.4	12"	6.95	5.95	4.49	3.49
2078194	Adda	AD0812HS-A73	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV	34.3	12" ¹	7.95	6.95	5.95	4.95
1928100	Adda	AD0812HX-A70GL	12	80 x 80 x 25	38.6	Hydro wave	250	3.0	UL/CSA/TUV/CE	34	12"	5.95	5.39	4.79	4.29
662661	NMB-MAT	FBA08A12H1BS	12	80 x 80 x 25	39.6	Hydro wave	173	2.1	UL/CSA/TUV	32	12" ²	7.95	6.95	5.95	4.95
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.90	UL/CUL/TUV/CE	33	12"	5.95	4.95	3.95	2.95
1950569	Sunon	KD1208PTS1 H.M	12	80 x 80 x 25	40	Sleeve	160	2.6	UL/CE	33	12" ¹	5.95	4.95	3.95	2.95
1810021	Sunon	KDE1208PTV1.13.MS.A	12	80 x 80 x 25	40	Vapo	160	1.9	UL/CUL/TUV/CE	33	12"	6.95	5.95	4.95	3.95
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	80 x 80 x 25	41	Dual Ball	150	1.8	UL/CUL/TUV/CE	35	12"	6.95	6.25	5.59	4.95
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.95	6.95	5.95	4.95
355400	JamecoRP	JR-DCF-128025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	6.95	5.95	5.49	4.95
1810110	Sunon	KDE1208PTB1-6A	12	80 x 80 x 25	42.5	Ball	190	2.3	UL/CUL/TUV/CE	36.5	10" ²	8.95	7.95	6.95	5.95
1954931	Comair Rotron	FE12K7X	12	80 x 80 x 25	45	Ball	250	3.0	UL/CSA/TUV/CE	40.8	11" ¹	7.95	6.95	5.95	4.95
1918729	Jamicon	JF0825S1SR	12	80 x 80 x 25	45.5	Sleeve	260	3.12	UL/CUL/TUV/CE	35.8	12" w/ conn.	6.95	5.95	4.95	3.95
421526	Panasonic	FBA08A12U-1AZ	12	80 x 80 x 25	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.29	5.36	4.46	3.56
1809995	Sunon	KDE1208PTB-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	13.95	12.49	11.29	10.19
2081078	Jamicon	JF0825B1UR	12	80 x 80 x 25	52	Dual Ball	370	4.4	UL/CUL/TUV/CE	40	12"	11.95	10.95	9.95	8.95
1951166	Nidec	TA350DC-M33416-16	12	92 x 92 x 25	28	Ball	110	1.32	UL/CSA	19.5	11"	9.95	8.95	7.95	6.95
1928089	Adda	AD0912LS-A70GL	12	92 x 92 x 25	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	9.95	8.95	7.95	6.95
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn ⁴	8.95	7.95	6.95	5.95
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5" ¹	9.95	8.95	7.95	6.95
1928097	Adda	AD0912LX-A70GL	12	92 x 92 x 25	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	9.95	8.95	7.95	6.95
1928003	Adda	AD0912MB-A71GL	12	92 x 92 x 25	44.2	Ball	170	2.0	UL/CUL/TUV/CE	32.7	12"	9.95	8.95	7.95	6.95
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn ³	9.95	8.95	7.95	6.95
1952935	Sunon	KD1209FTB2-6	12	92 x 92 x 25	48	Dual Ball	160	2.1	UL/CSA/TUV/CE	32	25" w/ conn ³	10.95	9.95	8.95	7.95
190984	Sunon	KD1209PTB1-6A	12	92 x 92 x 25	51	Ball	220	2.6	UL/CSA/TUV	34	12"	8.45	7.43	6.93	5.19
1952767	NMB	3610KL-04W-B56PS9	12	92 x 92 x 25	54.7	Ball	315	3.8	UL/CSA/TUV/CE	41	7" w/ conn. ⁵	7.95	6.95	5.95	4.95
1952951	NMB	3610KL-04W-B56PS6	12	92 x 92 x 25	55	Ball	315	3.8	UL/CSA/TUV/CE	41	9" w/ conn. ²	7.95	6.95	5.95	4.95
162739	NMB (Smart Fan)	3610KL-04W-B56	12	92 x 92 x 25	55	Ball	430	3.8	UL/CSA/DE/CE	37	10" ³	7.95	7.16	5.72	4.29
102963	Nidec	TA350DC-M33503-55	12	92 x 92 x 25	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95
1776281	Delta	AFB0912HH	12	92 x 92 x 25	57.9	Ball	250	3.0	UL/CSA/VE/CE	38	12"	12.39	8.18	7.73	7.43
1951481	Delta/Dell	AFC0912DE-U4218	12	92 x 92 x 38	160	Dual Ball	2500	30	UL/CSA/TUV/CE	63	10" w/ conn ⁴	14.95	13.49	11.95	10.95
644893	Evercool	EC9733M12S-B	12	97 x 92 x 33	19.4	Sleeve	200	2.4	UL/CE/TUV	30	8" w/ conn	14.95	13.49	11.95	10.95
174140	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	9.85	8.75	7.65	6.55
689231	Sunon	KDE1212PTS3-6A	12	120 x 120 x 25	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	9.95	8.95	7.95	6.95

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection ³ 3 leads; temperature sensor ⁴ 4 leads; wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard

⁵ 5 leads; locked rotor with 2 separate ground if needed (These functions are optional, if needed) * Replacement for PC/XT power supply fan

Fans Continued on Next Page

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DC Brushless Tubeaxial Fans (continued)



686516



1537467

*12V Web Code: LBZ



*24V Web Code: QEF



662653



1951465

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QUANTITY
SAVE

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
227901	Commonwealth	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/VDE/CE	42	12"	\$13.95	\$12.49	\$11.29	\$10.19
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	9.95	8.95	7.95	6.95
1928020	Adda	AD1212HB-A71GL	12	120 x 120 x 25	85.2	Ball	370	4.5	UL/CUL/TUV/CE	39.1	12"	12.95	11.95	10.95	9.95
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	10.95	9.95	8.95	7.95
1537133	Delta	WFB1212HH	12	120 x 120 x 25	95.4	Ball	610	7.3	UL/CSA/CE	42.5	4" w/ conn	9.95	8.95	7.95	6.95
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	2" w/ conn	7.95	6.95	5.95	4.95
1951431	Elina	HDF1225L-12HHB	12	120 x 120 x 25	106	Ball	580	7.0	UL/CUL/TUV	52	11"	10.95	9.95	8.95	7.95
1537221	Sunon	KDE1212PMB3-6A	12	120 x 120 x 38	84	Ball	570	6.8	UL/CUL/CE	42	12" w/ conn	13.95	12.95	11.95	10.95
1585389	Japan Servo	CNDC12B4C-016	12	120 x 120 x 38	99	Ball	380	4.6	UL/CSA/TUV	40	12"	10.95	9.95	8.95	7.95
686516	Adda	AD1212HB-F51	12	120 x 120 x 38	104.8	Ball	500	6	UL/CUL/CSA/TUV/CE	42.8	11" w/ conn.	13.95	12.95	11.95	10.95
1580271	EBM PABST	4182NX-12	12	120 x 120 x 38	106	Ball	380	4.5	UL/CSA/VDE	49	Terminal ¹	12.49	12.14	10.76	9.86
94626	Sunon	KD1212PMB1-6A	12	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	15.95	14.49	12.95	11.49
1954703	Mechatronics	F1238H12B2-FS	12	120 x 120 x 38	112	Ball	440	5.3	UL/TUV	41	10" w/ conn ²	11.95	10.95	9.95	8.95
1955028	NMB	4715KL-04W-B49	12	120 x 120 x 38	118	Ball	700	8.4	UL/CSA/TUV/CE	46	12" w/ conn ¹	10.95	9.95	8.95	7.95
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn ²	10.95	9.95	8.95	7.95
1951318	Nidec	VA450DC-35625-35	12	120 x 120 x 38	230	Ball	360	4.3	—	47	11" ^{1,2}	15.95	14.49	12.95	11.49
1537467	Comair	JO12B7X	12	172 x 150 x 51	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12" ²	22.95	19.95	17.95	15.95
1928281	Adda	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	10"	11.95	10.95	9.95	8.95
100910	Sunon	KD2404PKS2.GNS2	24	40 x 40 x 20	6.5	Sleeve	500	12	UL/CUL/TUV	25.5	12"	7.95	7.16	6.44	5.36
1951473	Delta	AFB0424MD	24	40 x 40 x 20	7.0	Ball	60	1.44	UL/CSA/TUV/CE	30	2" w/ conn	8.95	7.95	6.95	5.95
1776290	Delta	EFB0424HD	24	40 x 40 x 20	8.5	Ball	60	1.44	UL/CSA/VDE/CE	28.5	13"	9.89	8.96	8.06	7.16
1951502	Adda	AD0424HB-C56	24	40 x 40 x 20	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12" ¹	11.95	10.95	9.95	8.95
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	6.95	5.95	4.95	4.25
687818	Sunon	KDE2406PHB2	24	60 x 60 x 15	18	Ball	56	1.3	UL/CUL/TUV/CE	31	11"	8.95	7.95	6.95	5.95
1951191	Sunon	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	6.95	6.25	5.59	4.95
1954922	NMB	2410ML-05W-B10	24	60 x 60 x 25	14	Ball	60	1.44	UL/CSA/TUV/CE	23	13"	7.95	6.95	5.95	4.95
189861	Jamicon	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	9.19	8.07	7.24	6.11
1952177	Japan Servo	TUDC24Z4P-029	24	60 x 60 x 25	19	Ball	80	1.8	UL/CSA/TUV	32	12" ²	8.95	7.95	6.95	5.95
2076324	Jamicon	JF0625B2H-005-065R	24	60 x 60 x 25	21.4	Dual Ball	120	2.88	UL/CSA/TUV/CE	34.1	11"	9.95	8.95	7.95	6.95
1928337	Adda	AD0624HX-A70GL	24	60 x 60 x 25	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	8.95	7.95	6.95	5.95
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	24	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	8.95	7.95	6.95	5.95
1809848	Sunon	PMD2406PTB1-A	24	60 x 60 x 25	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	9.95	8.95	7.95	6.95
1928345	Adda	AD0824HX-D71L	24	80 x 80 x 15	29	Hypro	130	3.12	UL/CUL/TUV/CE	33.5	12"	9.95	8.95	7.95	6.95
1809864	Sunon	PMD2408PMB1-A	24	80 x 80 x 25	24	Ball	400	9.6	UL/CUL/TUV	55.2	12"	7.95	6.95	5.95	4.95
290029	Jamicon	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.95	7.95	6.95	5.95
662653	Panaflo	FB08A24M1A	24	80 x 80 x 25	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	8.95	7.95	6.95	5.95
136161	Jamicon	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.59	8.64	7.77	5.83
1809952	Sunon	KDE2408PTB1-6A	24	80 x 80 x 25	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	10.95	9.95	8.95	7.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12" ²	9.95	8.95	7.95	6.95
1580422	Pabst	8314/12	24	80 x 80 x 32	31.8	Ball	245	2.5	UL/CUL/CSA/VDE	36	11" w/ conn ¹	19.95	17.95	15.95	13.95
206965	Sunon	PMD2408PMB2-A	24	80 x 80 x 38	74.5	Ball	300	7.2	UL/CUL/CSA/VDE	52	12"	19.95	17.95	15.95	13.95
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12" ¹	9.95	8.95	7.95	6.95
1708502	Sunon	KDE2405PTS3-6	24	92 x 92 x 25	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	8.95	7.95	6.95	5.95
1928329	Adda	AD0924HX-A70GL	24	92 x 92 x 25	50	Hypro	150	3.6	UL/CUL/TUV/CE	33.7	12"	8.95	7.95	6.95	5.95
695042	Sunon	KD2409PTB1-13AGN	24	92 x 92 x 25	51	Ball	140	3.4	UL/CE/TUV	37	12"	10.95	9.95	8.95	7.95
1928302	Adda	AD0924US-A71GL	24	92 x 92 x 25	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	8.95	7.95	6.95	5.95
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/VDE/CE	47	12"	10.95	9.95	8.95	7.95

¹ 3 leads; speed sensor ² 3 leads; locked rotor protection (These functions are optional, if needed)

Fans Continued on Next Page

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DC Brushless Tubeaxial Fans (Continued)



686516



1537467

★ 24V Web Code: QEF

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★ 48V Web Code: MAJ



662653



1951465

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1809881	Sunon	KD2412PTB1-6A	24	120 x 120 x 25	90	Ball	220	5.3	UL/CUL/TUV/CE	44.5	12"	\$11.95	\$10.95	\$9.95	\$8.95
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	10.95	9.95	8.95	7.95
1708537	Sunon	KDE2412PMS3-6A	24	120 x 120 x 38	83	Sleeve	160	4	UL/CUL/TUV/CE	34	12"	10.95	9.95	8.95	7.95
694516	Jamicon	JF1238B2LR130-065R	24	120 x 120 x 38	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	17.95	15.95	13.95	11.95
153411	Sunon	KD2412PMB2-6A	24	120 x 120 x 38	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	15.95	13.95	11.95	10.95
694524	Jamicon	JF1238B2MR130-065R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	17.95	15.95	13.95	11.95
694532	Jamicon	JF1238B2HR130-065R	24	120 x 120 x 38	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	18.95	16.95	14.95	12.95
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	12.95	11.49	9.95	8.95
1951203	Sunon	PSD2412PMB1(2)	24	120 x 120 x 38	200	Ball	800	19.2	UL/CE/TUV	62	12"	19.95	17.95	15.95	13.95
1952960	Comair Rotron	MC48B6QDNX	48	120 x 120 x 32	102	Ball	180	8.4	UL/CSA/TUV/CE	48	11" w/ conn. ¹	15.95	13.95	11.95	10.95
1951457	Delta	EFB1248HHF	48	120 x 120 x 32	120	Ball	140	6.72	UL/CSA/TUV/CE	50.5	6" w/ conn.	17.95	15.95	13.95	11.95
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" ²	19.95	17.95	15.95	13.95
1951422	Delta	FFB1248EHE	48	120 x 120 x 38	190	Ball	500	24	UL/CSA/TUV/CE	59	12"	17.95	15.95	13.95	11.95
689063	EBM PABST	W2G115-AG75-85	48	127 x 127 x 38	155	Ball	310	15	UL/CUL	52	10" ¹	17.95	15.95	13.95	11.95
1954711	Delta	EFB1348HHE-SV06	48	127 x 127 x 38	185	Ball	360	17.28	UL/CSA/VDE/CE	55.5	26" ¹	19.95	17.95	15.95	13.95

¹ 3 leads; speed sensor

² 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard (These functions are optional, if needed)

DC & AC Plug Fan Power Cords

NEW
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★ Web Code: GAE

(For Fans w/ Terminal Connection)

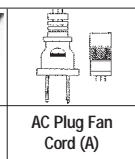


Fig. 1
Straight

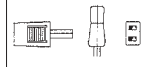
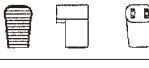


Fig. 2
45°



Fig. 3
90°



Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight pigtail fan cord	1D	24"	\$1.35	\$1.22	\$1.04	\$0.91
2076658	Straight pigtail fan cord	1D	36"	1.25	1.15	.95	.85
1952548	45° pigtail fan cord	2D	24"	1.25	1.19	1.09	.99
104192	90° pigtail fan cord	3D	24"	1.25	1.20	1.09	1.05
1952564	90° pigtail fan cord	3D	24"	1.25	1.19	1.09	.99
1952572	Straight AC plug fan cord	1A	72"	2.95	2.49	2.19	1.95
1952581	45° AC plug fan cord	2A	72"	2.95	2.49	2.19	1.95

Fan Guards & Aluminum Washable Filters

Guards and filters fit all fans. Please match by size dimension.

★ Web Code: UAR

Example: P/N 300557 fan (80mm) matches P/N 31924 metal guard (80mm).

Part No.	mm	Description	Fig.	1	25	50	100
123502	40	Metal (chrome) guard	1	\$0.53	\$0.49	\$0.45	\$0.41
120038	60	Metal (chrome) guard	1	.55	.49	.45	.41
687666	60	Metal (black anodized) guard	2	.79	.69	.65	.59
31924	80	Metal (chrome) guard	1	.69	.65	.59	.49
1928433	80	Metal (black anodized) guard	2	.79	.69	.65	.59
123512	92	Metal (chrome) guard	1	.75	.69	.65	.59
25735	120	Metal (chrome) guard	1	.79	.75	.69	.65
695068	120	Metal (blk anodized) guard	2	1.09	.99	.89	.79
695076	127	Metal (chrome) guard	1	1.25	1.09	.99	.89
1811198	172	Metal (chrome) guard	1	1.25	1.09	.99	.89
1952644	40	Plastic guard only	3	.55	.49	.43	.39
1952652	60	Plastic guard only	3	.65	.59	.55	.49
1952290	80	Plastic guard only	3	.79	.69	.59	.55

Part No.	mm	Description	Fig.	1	25	50	100
1952661	92	Plastic guard only	3	\$0.89	\$0.79	\$0.69	\$0.65
1952679	120	Plastic guard only	3	.99	.89	.79	.75
1952687	150	Plastic guard only	3	1.49	1.39	1.29	1.19
1952695	40	Plastic guard w/ mesh	4	1.29	1.19	1.09	.99
1952708	60	Plastic guard w/ mesh	4	1.49	1.39	1.25	1.19
138562	80	Plastic guard w/ mesh	4	1.65	1.49	1.39	1.29
229666	92	Plastic guard w/ mesh	4	1.95	1.75	1.59	1.45
196817	120	Plastic guard w/ mesh	4	2.19	2.09	1.95	1.79
1952716	172	Plastic guard w/ mesh	4	2.79	2.49	2.29	2.19
1952724	60	Alum. washable filter	5	2.79	2.49	2.29	2.19
138579	80	Alum. washable filter	5	2.49	2.29	2.09	1.89
1952732	92	Alum. washable filter	5	3.39	3.09	2.89	2.69
130105	120	Alum. washable filter	5	3.69	3.49	3.19	2.95

Fig. 1



Fig. 2

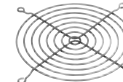


Fig. 3



Fig. 4



Fig. 5

The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days
and even longer for Jameco House Brands.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



212600



275793

NEW
 MARKED IN PINK



★ Web Code: **ABJ**



206309



209365

mm to Inches Conversion Chart

mm	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Mfr. Part No.	Voltage (VAC)	Size (W" x H" x D")	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing			
												1	10	50	100
213867	Fulltech	UF60D11BWH	115	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$16.95	\$15.95	\$14.95	\$12.95
1951369	Sunon	SF11580AT-1082HSL	115	80 x 80 x 25	21	Sleeve	120	12	UL/CSA/TUV	31	12" leads	10.95	9.95	8.95	7.95
146078	Common Wealth	FP108AX-S1-B	115	80 x 80 x 25	23	Ball	140	14	UL/CE	29	12" leads	13.99	12.99	11.99	10.99
300557	Fulltech	UF80B11SWH	115	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	11.95	10.95	9.95	8.95
300258	Fulltech	UF80B11BTH	115	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	11.79	10.58	10.39	9.87
300582	Fulltech	UF80A11SWL	115	80 x 80 x 38	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	11.49	9.03	8.57	8.15
300303	Fulltech	UF80A11BWL	115	80 x 80 x 38	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	15.95	14.39	12.95	11.65
300329	Fulltech	UF80A11BTL	115	80 x 80 x 38	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	12.95	11.95	10.95	9.95
300600	Fulltech	UF80A11BWH	115	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	16.95	14.95	13.49	11.95
1950155	Sunon	SF11580A-1083HSL-GN	115	80 x 80 x 38	30	Sleeve	150	13	UL/CE/TUV	33	24" leads	12.95	11.49	10.49	9.49
300389	Fulltech	UF80A11BTH	115	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.79	10.58	10.39	9.87
75433	Sunon	SF11592A-1092HSL	115	92 x 92 x 25	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	16.95	14.95	13.49	11.95
303467	Sunon	SF11592A-1092HBL	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	17.95	15.95	14.49	12.95
75460	Sunon	SF11592A-1092HBT-R	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	18.95	16.95	15.49	13.95
1810048	Sunon	SP101AT-1122HBL-GN	115	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	13.95	12.49	10.95	9.95
124063	Sunon	SP101AT-1122HBT	115	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	14.95	13.49	11.95	10.95
303361	Fulltech	UF12A11BTL1	115	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	13.89	12.46	11.62	11.05
1918796	Jamicon	KA1238L1B0A0-T	115	120 x 120 x 38	78	Dual Ball	200	12	UL/CUL/CE	38	Terminals	11.95	10.95	9.95	8.95
1585371	Sunon	SP103A-1123LBL	115	120 x 120 x 38	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	9.95	8.95	7.95	6.95
300792	Fulltech	UF12A11STL	115	120 x 120 x 38	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	12.95	11.49	10.49	9.49
303482	Fulltech	UF12A11SWL	115	120 x 120 x 38	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.95	11.49	10.49	9.49
695498	Comair	028021 (MU2A1)	115	120 x 120 x 38	105	Sleeve	160	14	UL/CSA	45.1	Terminals	33.95	30.95	29.95	28.95
111894	Common Wealth	FP108-1-S1/W	115	120 x 120 x 38	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	12.95	11.95	10.95	9.95
106586	Common Wealth	FP108-1-S1/T	115	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	14.95	13.46	11.95	10.95
303415	Common Wealth	FP108-1-S1-B/W	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	14.95	13.95	11.95
16935	Common Wealth	FP108-1-S1-B/T	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	14.95	13.95	11.95
212600	Fulltech	UF12A11BWH	115	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.95	14.49	12.95	11.49
1707163	Sunon	SP101A-1123HBL-GN	115	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	15.95	14.39	12.95	11.49
275793	Sunon	SP101A-1123HBT	115	120 x 120 x 38	107	Ball	180	18	UL/CUL/CE	50	Terminals	15.95	14.49	12.95	11.49
206309	Adda	AA1281UB-AT	115	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	15.95	14.36	12.76	11.49
1918770	Jamicon	KA1238H1B110-T	115	120 x 120 x 38	110	Dual Ball	300	24	UL/CUL/CE	45	Terminals	11.95	10.95	9.95	8.95
303408	Sunon	SP100A-1123XBL	115	120 x 120 x 38	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	16.95	14.95	13.49	11.95
1585320	Sunon	A1123HBL	115	120 x 120 x 38	117	Ball	250	20	UL/CUL/TUV	50	17" leads	14.95	13.95	12.95	11.95
102884	Sunon	SP100A-1123XBT	115	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	17.95	15.95	13.95	12.49
108725	Fulltech	UF15AC11BTH	115	172 x 150 x 38	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	36.95	33.26	29.56	27.71
212582	Fulltech	UF15PC11BWH	115	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	29.95	26.95	23.95	21.95
189684	Fulltech	UF15PC12BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	32.95	29.95	26.95	23.95
1950956	Artic	KEST-481BW	115	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	32.95	29.95	26.95	23.95
695527	Comair	028254 (PT2B3)	115	172 x 150 x 51	550	Ball	480	34	UL/CSA/TUV/CE	49.2	24"	69.95	65.95	63.95	59.95
1810128	Common Wealth	FP-108AX-S1-B	220	80 x 80 x 25	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	15.95	14.36	12.76	11.65
100918	Sunon	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	16.95	14.95	13.49	11.95
355630	Fulltech	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	17.95	15.95	13.95	12.49
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	13.95	12.49	10.95	9.95
1918753	Jamicon	KA1238H2B01	220	120 x 120 x 38	89	Dual Ball	200	23	UL/CUL/TUV/CE	42	Terminals	13.95	12.49	10.95	9.95
302244	Comair	28023	220	120 x 120 x 38	88	Ball	130	28.6	UL/CSA	50.7	Terminals	14.95	13.49	11.95	10.95
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	12.95	11.95	10.95	9.95
1585338	Sunon	A2123-HBT	220	120 x 120 x 38	117	Ball	120	20	UL/CUL/TUV	50	Terminals	12.95	11.95	10.95	9.95
102892	Sunon	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65
303459	Sunon	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.36	12.76	11.65
1585346	Sunon	A2123-HBL	220	120 x 120 x 38	117	Ball	120	20	UL/CUL/TUV	50	17" leads	14.95	13.95	12.95	11.95
1809872	Sunon	A2175-HBT	220	172 x 150 x 51	239	Ball	110	25	UL/TUV/CE	51	Terminals	19.95	17.95	15.95	13.95
1950964	Artic	KEST-482BW	220	172 x 150 x 51	256	Ball	400	58	UL/TUV/CE	58	12" leads	32.95	29.95	26.95	23.95

Blue Part No. = Limited Quantity Available

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

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More Available on The Web

60 to 70-Watt Open-Frame Linear AC-to-DC Power Supplies

- Size: 7"L x 4.87"W x 2.75"H
- Mouting holes: 6.25"L x 4.125"W x .17"Dia.
- Load regulation: $\pm 0.5\%$
- Line regulation: $\pm 0.05\%$



ACV12

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)*	Rip & Noise (mV p-p)	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
2077503	Astec	ACV12N5	+12V@5.1A	61W	100-240@47-63Hz	3.0	UL/CE/CSA/TUV	\$24.95	\$22.49	\$19.95
2077511	Astec	ACV15N4.5	+15V@4.5A	67.5W	100-240@47-63Hz	3.0	UL/CE/CSA/TUV	24.95	22.49	19.95

* Jumperable between 100VAC to 240VAC

NEW
MARKED IN PINK

30 to 65-Watt Medical Switching AC-to-DC Power Supplies



MPS-30

MPS-65

30-Watt Medical MPS-30 Series: Single Output

- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Working temp.: -10°C to +60°C
- Working temperature range: -10°C - +50°C
- Weight: 0.3lbs.

45 & 65-Watt Medical MPS-45 & 65 Series: Single Output

- 100% full load burn-in test
- Working temp.: -10°C to +60°C
- Inrush current: 20A @ 120VAC
- Soft-start circuit, limiting AC surge current
- Mating connector: P/N 104731, pg 62
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Isolation volt.: 4000VAC
- Volt. adjustment: 10%
- Load regulation: $\pm 2.0\%$
- Leakage current: 0.3mA @ 240V
- Size: 5.0"L x 3.0"W x 1.65"H
- 2.9 watts/in³ max.
- Line regulation: $\pm 1.0\%$
- Weight: 0.6 lbs.



* Web Code: JBK

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
221006	Mean Well	MPS-30-24	+24V@0-1.2A	28.8W	88-264@47-63	240	UL/CUL/TUV/CE	\$24.95	\$23.70	\$22.52
221057	Mean Well	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	19.95	18.95	18.00
221145	Mean Well	MPS-65-7.5	+7.5V@0-8A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95
221154	Mean Well	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	39.95	33.95	31.95
221162	Mean Well	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95
221188	Mean Well	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95

* Primary Output

Blue Part No. = Limited Quantity Available

Ultraminiature 5 to 20-Watt Switching AC-to-DC Power Supplies



NFM-05

NFM-10



OFM-02

- 100% full burn-in test
- No load consumption
- Short-circuit, overload, overvoltage, overtemperature protection
- Three-year warranty (except P/N 300530)
- Universal AC input/full range

- UL/CUL/TUV/CE
- Ultraminiature size and lightweight



5-Watt NFM-05 Series

- Size: 2.28"L x 1.77"W x 0.75"H
- Inrush current: 25A @ 115VAC
- Pin-mount

10-Watt NFM-10 Series

- Size: 2.56"L x 1.77"W x 0.87"H
- Inrush current: 25A @ 115VAC
- Pin-mount

15-Watt NFM-15 Series

- Size: 2.76"L x 1.89"W x 0.87"H
- Inrush current: 30A @ 115VAC
- Pin-mount

20-Watt OFM-0200 Series

- Size: 3.5"L x 2.0"W x 0.8"H
- Cooling by free-air convection
- Inrush current: 25A @ 115VAC
- Two-year warranty
- Chassis-mount

* Web Code: CCQ

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
694971	Mean Well	NFM-05-5	+5V@0-1A	5.0W	$\pm 1.5\%$	$\pm 1.0\%$	80	\$19.95	\$17.95	\$15.95
694989	Mean Well	NFM-05-12	+12V@0-0.42A	5.04W	$\pm 0.5\%$	$\pm 0.5\%$	150	19.95	17.95	15.95
695092	Mean Well	NFM-10-5	+5V@0-2A	10.0W	$\pm 1.0\%$	$\pm 1.0\%$	80	21.95	19.95	17.95
695156	Mean Well	NFM-15-12	+12V@0-1.25A	15.0W	$\pm 0.5\%$	$\pm 0.5\%$	150	23.95	21.95	19.95
300530	Mean Well	OFM-0203	+15V@0-1.4A	20.0W	$\pm 1.0\%$	$\pm 0.3\%$	150	26.95	25.95	23.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

15 to 45W Open-Frame Switching AC-to-DC Power Supplies

15 to 45-Watt Open-Frame Power Supplies

Enclosed Power Supplies
on pages 99-105.

• 100% full burn-in test

• Universal AC input



PSA15



PS-25



PS-45



NEW
MARKED IN PINK

15 & 25-Watt PSA15 & PSA25 Series: Single & Triple Outputs

- Isolation voltage: 3,000VAC
- Inrush current: 30A @ 120VAC
- Voltage adjustment: 5% (PSA15 only)
- Working temperature: 0° to +40°C
- One-year warranty



25-Watt PS-25 & PD-25 Series: Single & Dual Outputs

- Inrush current: 40A @ 120VAC
- Working temperature: -10°C to +60°C
- Two-year warranty

Performance
at Value Prices

35-Watt PS-35 Series: Single Outputs

- Short-circuit/overload/overvoltage protection
- Inrush current (typical): 23A/115VAC; 45A/230VAC
- Working temperature: -20°C to 65°C
- Cooling by free air convection
- Two-year warranty

Performance
at Value Prices

45-Watt PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Working temperature: -10°C to +60°C
- Two-year warranty

Performance
at Value Prices

45-Watt PSA45 Series: Triple Outputs

- Inrush current: 20A @ 120VAC
- Working temperature: 0° to +50°C
- Weight: 0.9 lbs.
- One-year warranty

For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
229060	Phihong	PSA15LN3-120	+12V@0-1.25A	15.0W	90-264@47-63	4.33x1.57x0.91	4.0x1.26x0.16	120	2.0	1.0	UL/CUL/TUV/CE	\$19.55	\$17.77	\$16.80
230536	Phihong	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25.0W	90-264@47-63	4.33x1.57x0.91	3.7x2.08x0.14	50	2.0	1.0	UL/CUL/TUV/CE	26.39	22.35	20.70
212354	Mean Well	PS-25-5	+5V@0-0.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	80	2.0	0.5	UL/CUL/TUV/CE	22.95	19.51	17.21
392826	Mean Well	PS-25-7.5	+7.5V@0-0.3-3A	24.8W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	80	2.0	0.5	UL/CUL/TUV/CE	22.95	19.51	17.21
148604	Mean Well	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	100	2.0	0.3	UL/CUL/TUV/CE	22.95	20.55	18.59
216769	Mean Well	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	100	2.0	0.3	UL/CUL/TUV/CE	22.95	20.55	18.59
212346	Mean Well	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	240	2.0	0.2	UL/CUL/TUV/CE	22.95	20.55	15.45
212312	Mean Well	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	4.0	1.0	UL/CUL/TUV/CE	22.95	19.95	17.95
212338	Mean Well	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	1.0	0.5	UL/CUL/TUV/CE	22.35	21.50	15.95
212330	Mean Well	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	1.0	0.5	UL/CUL/TUV/CE	20.69	17.59	15.52
148690	Mean Well	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	3.0	0.5	UL/CUL/TUV/CE	24.85	22.99	19.99
1918972	Mean Well	PS-35-5	+5V @ 0-0.60A	30.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	100	1.0	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95
1919019	Mean Well	PS-35-15	+15V @ 0-2.4A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	150	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95
1919035	Mean Well	PS-35-24	+24V @ 0-1.5A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	200	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95
210841	Power-One	MAP42-1005	+5V@0-0.8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	19.95	17.95	15.95
664270	Power-One	MAP40-3100	+5V@3A; +12V@2A; -12V@0.3A	40.0W	85-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	50	2.0	0.2	UL/CSA/TUV/CE	44.95	39.95	34.95
217332	Mean Well	PS-45-5	+5V@0-0.8A	40.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	3.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39
213728	Mean Well	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	2.0	1.0	UL/CUL/TUV/CE	24.95	22.65	16.95
374353	Mean Well	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	3.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39
213720	Mean Well	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	2.0	1.0	UL/CUL/TUV/CE	24.95	22.65	16.95
194862	Mean Well	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	26.95	22.95	19.95
194871	Mean Well	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	26.95	22.95	19.95
88402	Mean Well	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	29.45	25.95	23.45
229122	Phihong	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	5.0x3.0x1.2	4.56x2.55x0.15	50	2.0	1.0	UL/CSA/TUV/CE	34.45	31.45	28.95
229147	Phihong	PSA4541	+5V@0-3A; +12V@0-2A; -5V@0-0.5A; -12V@0-0.5A	47.5W	90-264@47-63	5.0x3.0x1.2	4.56x2.55x0.15	50	2.0	2.0	UL/CSA/TUV/CE	29.95	26.95	23.95
2079365	PowerLD	PSU15SS-HII	+5V@0-3A	15.0W	90-264@47-63	3.9x1.8x1.1	3.5x1.6x0.13	<50	2.0	1.0	UL/CE	15.95	14.45	12.95

* Primary Output



More Product Information

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

65 to 150W Open-Frame Switching AC-to-DC Power Supplies



• Universal input

NEW
MARKED IN PINK



PS-65



PSA075



PPS-125



Enclosed Power Supplies
on pages 99-105.

65 to 150-Watt Open-Frame Power Supplies

★ Web Code: LBH

65-Watt PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- Load & Line regulation: $\pm 1.0\%$ to $\pm 4.0\%$
- Voltage adjustment: 10%
- Working temp.: -10°C to $+60^{\circ}\text{C}$
- Size: 5.0"L x 3.0"W x 1.65"H
- Inrush current: 20A @ 120VAC
- Two-year warranty
- Weight: 0.6 lbs.



75-Watt PSA075 Series: Single Output

- Universal AC input
- Efficiency: $+5\text{V} = 65\%$; $+12\text{V} = 70\%$
- Inrush current: 40A @ 120VAC; 80A @ 240VAC
- Overvoltage, short-circuit protection
- 200CFM forced air required
- Operating temperature: 0°C to 50°C
- Size: 5.0"L x 3.0"W x 1.3"H

75-Watt LPS-75 Series: Single Output

- Universal AC input
- Line regulation: $\pm 1.0\%$
- Inrush current: 24A @ 120VAC
- Size: 8.74"L x 2.16"W x 1.18"H
- Built-in remote: $\pm 2.0\%$
- Working temperature: -20°C to $+60^{\circ}\text{C}$
- Voltage adjustment: 10%
- Load regulation: $\pm 2.0\%$
- Weight: 0.5 lbs.
- Two-year warranty

100-Watt LPS-100 Series: Single Output

- Auto-switch AC input
- Line regulation: $\pm 0.5\%$
- Working temp.: -10°C to $+60^{\circ}\text{C}$
- Inrush current: 30A @ 120VAC
- Load regulation: $\pm 1.5\%$, except 173463: $\pm 0.5\%$
- No minimum load required
- Voltage adjustment: 10%
- Size: 8.74"L x 2.44"W x 1.25"H
- Weight: 0.8 lbs.
- Three-year warranty



120 Watt PSA-120 Series: Single Output

- Universal AC input
- Operating temp.: 0°C to 50°C
- Efficiency: $+5\text{V} = 70\%$; $+12\text{V} = 75\%$; $+24\text{V} = 78\%$
- Inrush current: 30A @ 115VAC; 60A @ 240VAC
- 30CFM forced air required
- Overload, short-circuit protection
- Size: 5.0"L x 3.0"W x 1.3"H

125-Watt PPS-125 Series: Single Output

- Universal AC input
- Working temp.: -40°C to $+85^{\circ}\text{C}$
- Power Factor Correction
- Load regulation: $\pm 1.0\%$
- Size: 5.0"L x 3.0"W x 1.4"H
- Three-year warranty



150-Watt LPP-150 Series: Single Output

- Voltage adjustment: 10%
- Load regulation: 213681: $\pm 1.0\%$; 213672 & 216646: $\pm 0.5\%$
- Size: 8.74"L x 2.95"W x 1.61"H
- Auto-switch AC input



For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Size Inches (LxWxDia.)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. ($\pm\%$)*	Line Reg. ($\pm\%$)*	Certification	Pricing			QUANTITY SAVE
			Voltage@Current (min-max)	Power								1	10	25	
148639	Mean Well	PS-65-12	+12V@0.5-2A	62.4W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	\$27.89	\$25.29	\$21.99	
374380	Mean Well	PS-65-13.5	+13.5V@0.5-4A	63.5W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95	
216751	Mean Well	PS-65-15	+15V@0.4-2A	63.0W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95	
148647	Mean Well	PS-65-24	+24V@0.2-7A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95	
201946	Mean Well	PS-65-27	+27V@0.2-4A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95	
201954	Mean Well	PS-65-48	+48V@0.1-35A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95	
194889	Mean Well	PD-65A	+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	50	3.0	1.0	UL/CUL/TUV/CE	29.95	26.95	22.95	
194897	Mean Well	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	50	3.0	1.0	UL/CUL/TUV/CE	28.39	24.13	21.29	
692377	Autec	UPS65-1002	+5V@0.5-3.5A; +12V@0.1-4A	65.0W	90-260@47-63	6.0x3.5x1.5	4.8x3.2x0.16	50	2.0	0.5	UL/CSA/TUV	17.95	15.95	13.95	
171731	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A	65.0W	90-270@47-63	5.8x3.3x1.4	5.1x3.74x0.12	50	2.0	2.0	UL/CUL/TUV	12.95	11.49	9.95	
235088	Artesyn	NLP65-7629	+5V@0-7A; +12V@0.2-5A; -12V@0.8A	65.0W	85-264@47-63	5.0x3.0x1.7	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/TUV	24.95	22.49	19.95	
216734	Mean Well	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A; -12V@0-0.5A	63.5W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	3.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39	
216726	Mean Well	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	3.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39	
215707	Mean Well	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	2.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39	
645298	Mean Well	PQ-100DTR	+5V@5A; $\pm 12\text{V}@2\text{A}$; +24V@2A	103.0W	100-264@47-63	7.0x4.3x1.8	6.5x3.8x0.16	80	1.0	1.0	N/A	24.95	22.49	19.95	
1586293	Philhong	PSA075-120-R	+12@0.6-25A	75.0W	90-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	120	2.0	1.0	UL/CUL/TUV/CE	25.25	24.99	24.75	
244727	Mean Well	LPS-75-24	+24V@0.3-5A	76.8W	90-264@47-63	8.7x2.2x1.2	8.4x1.8x0.15	120	1.0	1.0	UL/CUL/TUV/CE	34.95	29.71	22.95	
173472	Mean Well	LPS-100-12	+12V@0.8-4A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	UL/CUL/TUV/CE	55.89	52.92	50.27	
374344	Mean Well	LPS-100-13.5	+13.5V@0.7-5A	101.3W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	UL/CUL/TUV/CE	49.95	45.95	39.95	
173463	Mean Well	LPS-100-24	+24V@0.4-2A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	150	0.5	0.5	UL/CUL/TUV/CE	56.95	53.85	39.95	
216710	Mean Well	LPS-100-48	+48V@0.2-1A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	200	0.5	0.5	UL/CUL/TUV/CE	56.95	53.85	34.95	
237024	Lite-On	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	N/A	1200	10.0	1.0	UL/CUL/TUV/CE	17.95	15.95	13.95	
670813	Intl. Power	PM110-13A	+15V@0.7-5A	110.0W	85-264@47-63	7.0x4.3x1.9	6.5x3.8x0.16	15	1.0	0.5	UL/CSA/TUV	24.95	22.49	19.95	
1586357	Philhong	PSA120-250-R	+24V@0-5A	120.0W	40-264@47-63	5.0x3.0x1.2	4.5x2.5x0.16	240	2.0	1.0	UL/CUL/TUV/CE	59.99	57.39	55.54	
374089	Mean Well	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	UL/CUL/TUV/CE	85.95	76.95	57.95	
2079373	PowerLD	PD-125-12	+12V@0-105A	126.0W	90-264@47-63	5.0x3.0x1.2	4.6x2.6x0.14	100	2.0	0.5	UL/CUL/CE	77.85	59.95	56.95	
301429	Mean Well	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	5.0x3.0x1.4	4.6x2.6x0.14	150	1.0	0.5	UL/CUL/TUV/CE	85.95	76.95	65.95	
213681	Mean Well	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	UL/CUL/TUV/CE	75.95	69.95	64.95	
213672	Mean Well	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	150	0.5	0.5	UL/CUL/TUV/CE	74.49	69.58	66.10	
216646	Mean Well	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	250	0.5	0.5	UL/CUL/TUV/CE	75.95	69.95	52.95	

* Primary Output

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

200 to 500W Open-Frame Switching AC-to-DC Power Supplies

200 to 500-Watt Open-Frame Power Supplies

★ Web Code: **NBJ**

- 100% full burn-in test
- Line regulation: $\pm 0.5\%$
- Three-year warranty



USP-225

Performance
at Value Prices



200-Watt PPS-200 Series: Single Output

- High efficiency up to 90% (typical)
- Free air convection for 150W; 20.5 CFM forced air for 200W
- Short-circuit, overload, overvoltage protection
- Mating connector: P/N 104433, pg 62
- PWM control & regulated
- Size: 5.0"L x 3.0"W x 1.4"H
- Load regulation: $\pm 1.0\%$

225-Watt U Bracket Type USP-225 Series: Single Output

- Active AC surge current limiting
- Short-circuit, overload, overvoltage, overtemperature protection
- Free air convection for 150W and forced air convection for 225W
- Mating connectors: P/N 104433 or 463435 (input), pg 62 & web; P/N 364832 (output), see web
- Working temperature: -20°C to +65°C
- Load regulation: $\pm 1.0\%$
- Size: 8.0"L x 4.0"W x 1.5"H

500-Watt U Bracket Low Profile USP-500 Series: Single Output

- Built-in remote sense function
- Built-in remote ON-OFF control
- Short-circuit, overload, overvoltage, overtemperature protection
- Free air convection for 400W and 500W with 23.5CFM forced air
- Working temperature: -20°C to +70°C
- Built-in Active PFC circuit
- Built-in DC OK active signal
- Load regulation: $\pm 1.0\%$
- Size: 10.0"L x 5.0"W x 1.6"H

NEW
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Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing	
			Voltage@Current (min-max)	Power				1	10
668713	Mean Well	PPS-200-12	+12V@0-16.6A	199.2W	90-264@47-63	100	UL/CUL/TUV/CE	\$105.89	\$99.69
668721	Mean Well	PPS-200-15	+15V@0-13.3A	199.5W	90-264@47-63	100	UL/CUL/TUV/CE	107.59	96.85
668730	Mean Well	PPS-200-24	+24V@0-8.3A	199.2W	90-264@47-63	150	UL/CUL/TUV/CE	144.19	139.85
694495	Mean Well	USP-225-24	+24V@0-9.4A	225.6W	90-264@47-63	150	UL/CUL/TUV/CE/CB	99.95	89.95
1954447	Mean Well	USP-500-12	+12V@0-42A	504.0W	90-264@47-63	100	UL/CUL/TUV/CE/CB	282.95	243.95
1954455	Mean Well	USP-500-24	+24V@0-21A	504.0W	90-264@47-63	150	UL/CUL/TUV/CE/CB	282.95	243.95

* Primary Output

15 to 25W Enclosed Switching AC-to-DC Power Supplies

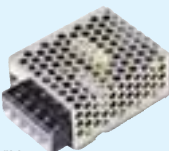
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FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

15-Watt Enclosed

RS-15 Series

- LED indicator for power on
- All using 105°C long life electrolytic capacitors
- Withstands 300VAC surge input for 5 seconds
- Universal AC input/full range
- Working temp. range: -20°C to 70°C
- Cooling by free air convection
- 85-264VAC @ 47-63Hz
- Size: 2.46"L x 2.0"W x 1.1"H
- Inrush current: 50A/240VAC
- 100% full burn-in test
- Three-year warranty



25-Watt Enclosed

S-25 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: 103588, pg 72
- Mounting hardware: use P/Ns 222122, 222157 & 222173 (see web)
- 1.2 watts/in³ maximum
- No minimum load required
- Working temp. range: -10°C to +60°C
- Two-year warranty



25-Watt Enclosed RS-25 Series: Single Output

- New smaller design: 3.0"L x 2.0"W x 1.1"H
- 100% full-load burn-in
- Cooling by free air convection
- High operating temperature up to 70°C
- Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit, overload, overvoltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 72
- 3.66 watts/in³ power density
- 105°C output capacitors
- Three-year warranty



★ Web Code: **ABM**

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
692422	Volgen	SX15U-05S	+5V@0-3.0A	15.0W	100	0.8	0.8	UL/CSA	\$14.95	\$13.49	\$11.95
689848	Metapo	1M150C05-1M	+5V@0-3.0A	15.0W	100	0.5	1.0	UL/CUL/TUV/CE	19.95	17.95	15.95
1919043	Mean Well	RS-15-5	+5V@0-3.0A	15.0W	80	1.5	0.5	UL/CUL/TUV/CE/CB	23.95	22.45	17.95
1919051	Mean Well	RS-15-12	+12V@0-1.3A	15.6W	120	0.5	0.5	UL/CUL/TUV/CE/CB	23.95	22.45	17.95
1919060	Mean Well	RS-15-15	+15V@0-1.0A	15.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	23.95	22.45	17.95
1919078	Mean Well	RS-15-24	+24V@0-0.625A	15.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	23.95	22.45	17.95
693193	Mean Well	RS-25-3.3	+3.3V@0-6A	19.8W	80	2	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323282	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323300	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323302	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323311	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
123247	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	30.59	27.49	24.75
123255	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75
123262	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	27.95	26.55	25.25
123272	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75

* Primary Output

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

30 to 60-Watt Enclosed Switching AC-to-DC Power Supplies



35-Watt Enclosed

RS-35 & RD-35 Series: Single & Dual Output

- New smaller design: 3.9"L x 3.2"W x 1.4"H
- 2 watts/in³ power density
- 105°C output capacitors • 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit, overload, overvoltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 72 • Cooling by free air convection
- High operating temperature up to 70°C • Three-year warranty



40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- 100% full-load burn-in
- 1.6 watts/in³ maximum
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: P/N 103588, pg 72
- Working temperature: -10°C to +60°C
- Voltage adjustment: 10% • Two-year warranty
- Mounting hardware: use P/Ns 222122, 222157 & 222173 (see web)



50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output

- Short-circuit/overload/overvoltage protection
- Withstanding 300VAC surge input for 5 seconds
- Universal AC input/full range • 100% full-load burn-in
- Cooling by free air connection • Three-year warranty



30 & 60-Watt Enclosed

For Indoor and Outdoor Applications

- Built-in active PFC • 100% full burn in test
- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- Universal AC input/full range
- Cooling by free air convection
- UL1310 class 2 power unit
- Inrush current: 40A/230VAC



PLN-30 Series (30W)

- Line and load regulation: ±3%; ±10%
- Working temperature: -30°C to 50°C
- Size: 5.7"L x 1.85"W x 1.2"H
- Two-year warranty

CLG-60 Series (60W)

- Line and load regulation: ±4%; ±10%
- Working temperature: -30°C to 70°C
- Size: 6.77"L x 2.42"W x 1.54"H
- Three-year warranty

PLN-60 Series (60W)

- Line and load regulation: ±4%; ±10%
- Working temperature: -30°C to 50°C
- Size: 7.13"L x 2.42"W x 1.38"H
- Two-year warranty



★ Web Code: **BBM**



For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
1954404	Mean Well	PLN-30-12	+12V@0.2-5A	30.0W	2000	10.0	3.0	UL/CUL/TUV/CE	\$47.95	\$41.75	\$39.95
1954412	Mean Well	PLN-30-24	+24V@0.1-2.5A	30.0W	2600	10.0	3.0	UL/CUL/TUV/CE	47.95	41.75	39.95
323329	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75
323337	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75
323345	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75
323353	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	34.95	25.95
323362	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	35.95	31.75
323380	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	35.64	32.10
689805	Metapo	1M041C05-1M	+5V@0-8.0A	40.0W	75	—	—	UL/CUL/TUV/CE	24.95	22.49	19.95
123290	Mean Well	S-40-5	+5V@0-8.0A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
689830	Metapo	1M041C12-1M	+12V@0-3.5A	42.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.49	19.95
123298	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	24.29
202140	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
689792	Metapo	1M041C24-1M	+24V@0-1.8A	43.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.95	19.95
123319	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15
201989	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	41.95	37.95	33.95
201997	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	41.95	37.95	33.95
202009	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	41.95	37.95	38.28
689784	Metapo	1M051C05-0M	+5V@0-10.0A	50.0W	100	—	—	UL/CUL	29.95	26.95	23.95
323388	Mean Well	RS-50-5	+5V@0-10.0A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	33.95
689821	Metapo	1M051C12-1M	+12V@0-4.2A	50.0W	100	—	—	UL/CUL/TUV/CE	29.95	26.95	23.95
323396	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	25.95
323409	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	33.95
323417	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	33.95
693249	Mean Well	RS-50-48	+48V@0-1.1A	52.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89
323425	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.95	37.95	35.95
323433	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.95	37.95	27.95
323460	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	45.55	39.60	37.62
323468	Mean Well	RT-50C	+5V@0.5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	43.95	37.95	35.95
323492	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-0.1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	47.05	39.99	29.99
1918913	Mean Well	PLN-60-12	+12 @ 0-5.0A	60.0W	2000	10	4.0	UL/CUL/TUV/CE	67.95	57.76	50.96
1918964	Mean Well	PLN-60-15	+15 @ 0-4.0A	60.0W	2400	10	4.0	UL/CUL/TUV/CE	67.95	58.95	56.55
1918981	Mean Well	PLN-60-24	+24 @ 0-2.5A	60.0W	2700	10	4.0	UL/CUL/TUV/CE	67.95	57.76	50.96
1918921	Mean Well	CLG-60-12	+12 @ 0-5.0A	60.0W	2000	10	4.0	UL/CUL/TUV/CE	79.95	71.95	68.95
1919001	Mean Well	CLG-60-15	+15 @ 0-4.0A	60.0W	2400	10	4.0	UL/CUL/TUV/CE	79.95	71.95	68.95
1919027	Mean Well	CLG-60-24	+24 @ 0-2.5A	60.0W	2700	10	4.0	UL/CUL/TUV/CE	79.95	71.95	68.95
2079381	PowerLD	PD-60-24	+5V@0-2.5A	60.0W	120	2.0	0.5	UL/CUL/CE	35.29	31.79	28.59
2079390	PowerLD	PD-60-5	+5V@0-10.0A	50.0W	50	2.0	0.5	UL/CUL/CE	35.29	31.79	28.59

* Primary Output

60-Watt Power Supplies Continued on Next Page

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

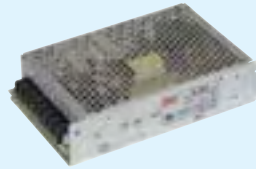
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

60 to 100-Watt Enclosed Switching AC-to-DC Power Supplies

60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series:
Single, Dual, Triple & Quad Outputs

- 100% full-load burn-in
- 1.7 watts/in³ max
- Universal AC input: 88-264VAC @ 47-63Hz
- Voltage adjustment: 10% • Two-year warranty



65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series:
Dual, Triple & Quad Outputs

- 100% full-load burn-in • Three-year warranty
- 105°C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- High operating temperature up to 70°C



75 & 85-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

SP-75 Series: Single Output

RD-85, RT-85 & RQ-85 Series: Dual & Triple Output

- 100% full-load burn-in • 1.7 watts/in³ max • Three-year warranty
- Universal AC input 88-264VAC @ 47-63Hz • Voltage adjustment: 10%



100-Watt Enclosed w/ PFC

CLG-100 Series: Single Output

- Universal AC input/full range
- Three-year warranty • Built in active PFC
- Safety standard UL1310 Class 2, IP67



100-Watt Enclosed PLN-100 Series: Single Output, Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- UL1310 class 2 power unit
- Cooling by free air convection
- Line and load regulation: ±1%; ±2%
- Working temperature range: -30°C to 50°C
- Built-in active PFC
- Inrush current: 40A/230VAC
- Short-circuit/overload/overvoltage/overtemperature protection
- Size: 7.87"L x 2.78"W x 1.38"H
- Two-year warranty
- 100% full burn in test
- Universal AC input/full range



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FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
689768	Potrans	FS-06005-0M	+5V@0-12A	60.0W	120	—	—	UL/CUL/CE	\$24.95	\$22.49	\$19.95
123327	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	38.95	33.11	29.21
689813	Potrans	1M061C05-1M	+12V@0.5A	60.0W	120	—	—	UL/TUV/CE	24.95	22.95	19.95
123335	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	38.95	34.95	31.55
123343	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	38.95	34.95	31.55
123352	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	38.95	34.95	31.55
123458	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	42.95	38.95	34.95
123466	Mean Well	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	34.95
123482	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	49.82	44.84
123491	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	48.82	44.84
147046	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	68.59	57.09	42.82
323505	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	46.95	39.95	35.95
323513	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	46.95	39.95	29.95
323540	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	45.95	41.95
323548	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	42.46	37.46
323555	Mean Well	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	39.95	35.95	32.95
323564	Mean Well	RQ-65B	+5V@0.5-8A; +12V@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	49.95	42.95	39.95
323572	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.95	41.95	37.95
693257	Mean Well	RS-75-3.3	+3.3V@0-15A	49.5W	80	2	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	35.95
323581	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	35.95
323599	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	35.95
323602	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	39.95	35.95
323620	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	35.95
194830	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	75.99	67.95	61.13
194838	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	50.95
194845	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	49.95	47.45	45.10
194854	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	59.95
693409	Mean Well	SP-75-27	+27V@0-2.8A	75.6W	100	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	59.95
323628	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	67.95	57.95	53.95
323661	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	72.95	65.95	59.95
323678	Mean Well	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	47.45	45.10
323695	Mean Well	RQ-85D	+5V@2-10A; +12V@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	75.95	63.95	56.95
1585864	Mean Well	CLG-100-20	+20V@0-4.8A	96.0W	150	2	1	UL/CUL/TUV/CE/PFC	99.95	95.95	89.95
1585872	Mean Well	CLG-100-24	+24V@0-4A	96.0W	150	2	1	UL/CUL/TUV/CE/PFC	99.95	84.96	74.96
1585733	Mean Well	CLG-100-27	+27V@0-3.55A	95.85W	150	2	1	UL/CUL/TUV/CE/PFC	99.95	95.95	89.95
1918833	Mean Well	PLN-100-12	+12 @ 0-5.0A	60.0W	150	2	1	UL/CUL/TUV/CE/PFC	88.95	76.95	68.95
1918841	Mean Well	PLN-100-15	+15 @ 0-5.0A	75.0W	150	2	1	UL/CUL/TUV/CE/PFC	88.95	75.61	66.71
1918868	Mean Well	PLN-100-24	+24 @ 0-4.0A	96.0W	150	2	1	UL/CUL/TUV/CE/PFC	88.95	76.95	68.95

* Primary Output

*** For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

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GENERIC HOUSE BRANDS
FACTORY OVERRUN

100-Watt Enclosed

S-100F Series: Single Output

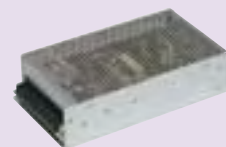
- 100% full-load burn-in
- Input voltage: 88-132/176-264VAC @ 47-63Hz
- No minimum load required
- Two-year warranty



120-Watt Enclosed

D-120 & Q-120 Series: Dual & Quad Outputs

- 100% full-load burn-in
- 1.9 watts/in³ max.
- Input volt.: 88-132/176-264VAC @ 47-63Hz
- Two-year warranty



100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Input volt.: 86-264VAC @ 47-63Hz
- 2.0 watts/in³ max.
- Three-year warranty



125 & 150-Watt Enclosed

- 100% full-load burn-in
- Three-year warranty

RD-125, RT-125 & RQ-125 Series: Dual, Triple & Quad Outputs RS-150 Series: Single Output

- Input volt.: 88-132/176-264VAC @ 47-63Hz
- Cooling by free air convection
- No minimum load required
- New smaller design: 7.8"L x 3.9"W x 1.5"H



100-Watt Enclosed

RS-100 Series: Single Output

- 100% full-load burn-in
- Universal AC input/full range
- Three-year warranty



150-Watt Enclosed

S-150 Series: Single Output

- 100% full-load burn-in
- No minimum load required
- Input volt.: 88-132/176-264VAC @ 47-63Hz
- Two-year warranty



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FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
212450	Mean Well	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	\$29.95	\$28.45	\$27.00
123386	Mean Well	S-100F-12	+12V@0-8.5A	102.0W	125	0.5	0.5	UL/TUV/CE/CB	47.75	42.95	38.75
201971	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	47.75	42.95	38.75
216793	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	47.75	42.95	31.95
194791	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
212433	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
194803	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
194812	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	57.95
213794	Mean Well	TP-100A	+5V@3-10A; +12V@0.4-4A; -5V@0-0.6A	100.0W	100	3	1	UL/CUL/TUV/CE/CB/PFC	69.95	66.45	63.15
213778	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB/PFC	99.95	89.95	67.45
323716	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.35	54.95	51.95
323724	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	70.59	57.15	52.94
323732	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.95	54.95	41.45
1585549	Potrans	FS-15024-IM	+24V@0-6.5A	156.0W	240	0.6	0.6	UL/CUL/CE	49.95	44.95	39.95
132410	Mean Well	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	59.46	52.46
132397	Mean Well	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	71.95	64.69	57.95
132389	Mean Well	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	85.85	70.00	62.97
132371	Mean Well	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	61.39	54.55	51.75
323759	Mean Well	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	67.95	64.65	52.39
323775	Mean Well	RT-125B	+5V@2-15A; +12V@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	73.95	70.35	60.85
323783	Mean Well	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323792	Mean Well	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	73.95	70.35	60.85
323803	Mean Well	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323820	Mean Well	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	47.45	45.10
693329	Mean Well	RS-150-3.3	+3.3V@0-30.0A	99.0W	80	2	0.5	UL/CUL/TUV/CE/CB	67.35	57.25	50.51
323839	Mean Well	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
323847	Mean Well	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
1945920	APS	RP1150-24C	+24V@0-6.25A	150.0W	100	1.0	1.0	UL/CE	49.95	44.95	39.95
323855	Mean Well	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
323863	Mean Well	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	57.25	50.51
123394	Mean Well	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123415	Mean Well	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123423	Mean Well	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
202025	Mean Well	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123432	Mean Well	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123450	Mean Well	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	49.26	43.46
202033	Mean Well	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
167346	Mean Well	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	49.26	41.55
2079402	PowerLD	PD-150-12	+12V@0-12.5A	150.0W	120	1.0	0.5	UL/CUL/CE	51.95	46.75	42.19
2079429	PowerLD	PD-150-24	+24V@0-6.5A	156.0W	120	1.0	0.5	UL/CUL/CE	51.95	46.75	42.19

* Primary Output

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

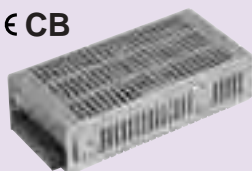
150 to 320-Watt Enclosed Switching AC-to-DC Power Supplies

150-Watt Enclosed with Power Factor Correction

SP-150 Series: Single Output



- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Working temperature: -10°C to +60°C
- Mating connector: P/N 103588, pg 72
- Three-year warranty



200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output



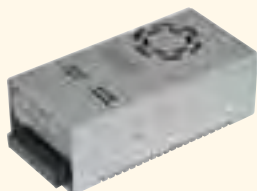
- 100% full-load burn-in
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Working temperature: -10°C to +60°C
- Mating connector: P/N 103588, pg 72
- Three-year warranty



240-Watt Enclosed

S-240 Series: Single Output

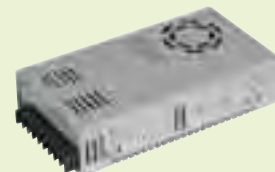
- 100% full-load burn-in
- No minimum load required
- 3.4 watts/in² maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 72
- Input: 88-132/176-264VAC @ 47-63Hz
- Auto cooling fan
- Two-year warranty



320-Watt Enclosed with Power Factor Correction

SP-320 Series: Single Output

- 100% full-load burn-in
- Universal AC input
- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- Auto cooling fan
- Voltage adjustment: 10%
- Working temperature: -20°C to 65°C
- Three-year warranty



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Open-Frame Power Supplies on pages 96-99.

*Web Code: WBF

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FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p) *	Load Reg. (±%) *	Line Reg. (±%) *	Certification	Pricing		QUANTITY SAVE
			Voltage@Current (min-max)	Power					1	10	25
201912	Mean Well 𐄂	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	\$96.95	\$86.95	\$78.55
173421	Mean Well 𐄂	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	78.55
394193	Mean Well	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	87.45	78.65	67.55
173412	Mean Well 𐄂	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	82.41	72.71
173404	Mean Well 𐄂	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	78.55
201930	Mean Well 𐄂	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	64.95
1585557	Metapo	IM201C12-IM-02	+12V@0-16.6A	200.0W	120	0.5	0.5	UL/CUL/TUV/CE	89.95	79.95	69.95
194774	Mean Well 𐄂	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	107.95	96.95	86.95
202042	Mean Well 𐄂	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	86.95	74.95	70.95
212410	Mean Well 𐄂	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	107.95	96.95	86.95
202060	Mean Well 𐄂	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	74.95
689750	Potrans	FS-20024-1M	+24V@0-8.3A	200.0W	150	0.5	0.5	UL/CSA/CE/TUV	64.95	59.95	53.95
194782	Mean Well 𐄂	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	79.95	74.95	70.95
693548	Mean Well 𐄂	SP-200-27	+27V@0-7.5A	202.5W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	86.95	74.95	70.95
202068	Mean Well 𐄂	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	86.95	74.95	55.95
693556	Mean Well 𐄂	S-240-7.5	+7.5V@0-30.0A	225.0W	200	1	0.5	UL/CUL/TUV/CE/CB/PFC	107.89	101.99	91.79
137649	Mean Well 𐄂	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95
202075	Mean Well 𐄂	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	69.95
137657	Mean Well 𐄂	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95
392834	Mean Well 𐄂	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95
167338	Mean Well 𐄂	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95
244735	Mean Well 𐄂	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65
394215	Mean Well 𐄂	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65
244743	Mean Well 𐄂	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65
693599	Mean Well 𐄂	SP-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65
693610	Mean Well 𐄂	SP-320-15	+15V@0-20.0A	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65
244752	Mean Well 𐄂	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	127.65	114.65	98.59
693628	Mean Well 𐄂	SP-320-27	+27V@0-11.7A	315.9W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65
244770	Mean Well 𐄂	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	141.95	120.66	106.46
2079437	PowerLD	GPF-U300S5	+5V@0-50A	250.0W	150	2.0	1.0	UL/CUL/CE	115.59	109.95	104.95

* Primary Output



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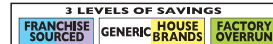
RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

320 to 600W Enclosed Switching AC-to-DC Power Supplies



320-Watt Enclosed

S-320 Series: Single Output

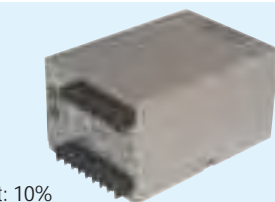
- 100% full-load burn-in
- Input: 88-132/176-264VAC @ 47-63Hz
- 4.1 watts/in² maximum
- Auto cooling fan
- Two-year warranty



500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output

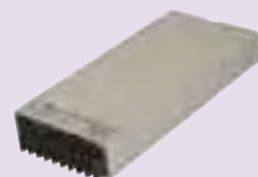
- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in² maximum
- Auto cooling fan
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103588, pg 72
- Working temperature: -10°C to +60°C
- Three-year warranty



480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output

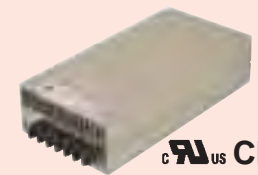
- Input: 85-264VAC, 120-370VDC
- Working temperature: -20°C to +60°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Built-in remote ON-OFF control, and remote sense function
- Three-year warranty
- Size: 10.9"L x 5.0"W x 1.7"H



600-Watt Enclosed

SE-600 Series: Single Output

- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Working temperature: -20°C to +60°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 9.7"L x 5.0"W x 2.5"H
- Two-year warranty



600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output

- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control, and remote sense function
- Input: 88-264VAC @ 47-63Hz/124-370VDC
- Working temperature: -20°C to +50°C

- Current sharing up to 2400W (3 +1)
- Short-circuit, overload, overvoltage, overtemperature protection
- Mating connector: P/N 103588 or 302877, pg 72
- Three-year warranty



Open-Frame Power Supplies on pages 96-99.

*Web Code: ABG

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FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

For PC Power Supplies, see page 126.

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
216776	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	\$119.75	\$107.59	\$96.59
207212	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
207204	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
693572	Mean Well	S-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
374993	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	119.75	107.59	80.95
1585565	Potrans	FS-32024-IM	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL/CE	89.95	79.95	69.95
196657	Mean Well	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
693581	Mean Well	S-320-27	+27V@0-11.0A	297.0W	200	0.5	0.5	UL/CUL	119.75	107.59	96.59
689776	Metapo	1M321C48-OM	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	69.95	62.95	56.95
207191	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	119.75	101.79	89.81
693644	Mean Well	SP-480-5	+5V@0-85.0A	425.0W	80	1	0.5	UL/CUL/TUV/CE/CB/PFC	210.95	180.95	173.95
301373	Mean Well	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	210.95	180.95	173.85
301322	Mean Well	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	210.95	179.31	158.21
301402	Mean Well	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	234.95	210.95	180.95
190693	Mean Well	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	224.95	201.95	173.95
147054	Mean Well	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	249.95	224.95	201.95
190706	Mean Well	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	224.95	201.95	173.95
161796	Mean Well	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	201.95	173.95	166.95
374002	Mean Well	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	179.95	165.95	145.95
374011	Mean Well	SE-600-12	+12V@0-50A	600.0W	150	0.5	0.5	UL/CUL	173.95	156.59	140.89
291522	Mean Well	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL	179.95	165.95	119.95
295902	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL	179.95	165.95	145.95
295911	Mean Well	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL	179.95	165.95	145.95
295929	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL	179.95	165.95	145.95
374214	Mean Well	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374222	Mean Well	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374231	Mean Well	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374257	Mean Well	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374249	Mean Well	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	175.06	154.46

* Primary Output

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

500 to 1500-Watt Enclosed Switching AC-to-DC Power Supplies

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output with Parallel Function

- 100% full-load burn-in
- Auto cooling fan
- Voltage adjustment: 5%
- 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz
- Mating connector: P/N 103588, pg 72
- Two-year warranty
- Working temperature: -10°C to +65°C; (+50°C to -65°C @ 50% load)
- Mounting hardware: use P/Ns 222157 & 222173

us CB



500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output

- 100% full-load burn-in
- Remote sense and control
- Voltage adj.: 10%
- Mating connector: P/N 103588, pg 72
- 3.6 watts/in³ maximum
- No minimum load required
- Auto cooling fan
- Working temp.: -10°C to +60°C
- Three-year warranty
- PSP-500 & PSP-1000: • Parallel operation (current sharing)
- Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC
- PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC



PSP-500

750-Watt Enclosed with Power Factor Correction

SP-750 Series: Single Output

- 100% full load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 127-370VAC
- Withstanding volt. of 300VAC surge in for 5 seconds
- Short circuit/overload/overvoltage protection
- High operating temp. up to 70°C
- Cooling by built-in fan
- Built-in active PFC function, PF>0.95
- Built-in constant current limiting circuit
- High power density: 5.48W/in³
- Built-in remote ON-OFF control
- Three-year warranty



1000 & 1500-Watt Enclosed with Power Factor Correction

- Universal AC input/full range
- Forced air cooling by built-in fan
- Built-in remote ON-OFF control
- Working temperature: -20°C to +70°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Three-year warranty

RSP-1000 Series: Single Output

- 1U low profile (41 mm)
- Built-in 5V/0.5A auxiliary power
- DC OK signal
- Power density: 10.7W/in³
- Size: 11.6"L x 5"W x 1.6"H

RSP-1500 Series: Single Output, Current Sharing

- ZVS new technology
- Built-in 12V/1A auxiliary power
- 8.3W / inch³
- Size: 10.9"L x 5.0"W x 3.3"H

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RSP-1500

us CB

For special versions and large quantities call us at 1-800-794-9100

MW

Performance
at Value Prices

* Web Code: PBP

Jameco Part No.	Manufacturer	Mfr. Part No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
220249	Mean Well	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	\$292.95	\$269.95	\$249.95
220257	Mean Well	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	273.95	213.95	172.95
220265	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	292.95	269.95	249.95
374062	Mean Well	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	292.95	269.95	249.95
220112	Mean Well	PSP-500-5	+5V@0-80A	400.0W	100	2	0.5	UL/CUL/TUV/CE	149.95	139.95	138.99
190714	Mean Well	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	239.95	207.95	199.95
190722	Mean Well	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	239.95	207.95	199.95
190731	Mean Well	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	239.95	207.95	155.95
190749	Mean Well	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	239.95	207.95	155.95
374029	Mean Well	SP-750-15	+15V@0-50A	750.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB	189.95	179.95	169.95
217366	Mean Well	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	499.95	445.95	333.95
217358	Mean Well	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	549.95	519.95	499.95
231652	Mean Well	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	589.95	519.95	374.76
217350	Mean Well	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	589.95	519.95	374.76
1585717	Mean Well	RSP-1000-24	+24V@0-40A	960.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	439.95	379.95	359.95
1585709	Mean Well	RSP-1000-27	+27V@0-37A	999.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	439.95	379.95	359.95
1585725	Mean Well	RSP-1000-48	+48V@0-21A	1008.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	544.49	519.75	493.75
231686	Mean Well	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	799.95	759.95	699.95
373923	Mean Well	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	695.95	629.95	475.95
231714	Mean Well	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	695.95	629.95	569.95
231722	Mean Well	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	594.99	565.25	536.99
694938	Mean Well	RSP-1500-24	+24V@0-63A	1512.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	749.95	719.95	689.95
694946	Mean Well	RSP-1500-27	+27V@0-56A	1512.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	775.59	739.95	679.95
694954	Mean Well	RSP-1500-48	+48V@0-32A	1536.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	749.95	719.95	689.95

* Primary Output

Encapsulated Switching Power Supplies

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* Web Code: ESP

PM-05/PM-10/PM-15/PM-20 Series:

- Universal AC input (85-264VAC @ 47Hz)
- Short circuit, overload, overvoltage protection
- Ultra-miniature size
- UL/CUL/TUV/CE/CB
- Cooling by free air convection
- 100% full load burn-in test
- Three-year warranty



MW

Part No.	Manufacturer	Mfr. P/N	Output		Pins	Ripple & Noise (mVp-p)	Load Reg (%)	Line Reg (%)	Size (L" x W" x H")	Pricing		
			Volt. @ Curr. (min-max)	Power						1	10	25
1954527	Mean Well	PM-05-12	+12@0-0.42A	5.04W	4	150	1.0	0.5	2.5 x 2.0 x 0.8	\$20.95	\$19.95	\$18.95
1954535	Mean Well	PM-05-24	+24@0-0.23A	5.52W	4	240	0.5	0.5	2.5 x 2.0 x 0.8	20.95	19.95	18.95
1954551	Mean Well	PM-10-12	+12@0-0.85A	10.20W	4	150	1.0	0.5	2.8 x 2.0 x 0.9	22.95	21.95	20.95
1954560	Mean Well	PM-10-24	+24@0-0.42A	10.10W	4	240	0.5	0.5	2.8 x 2.0 x 0.9	22.95	21.95	20.95
1954586	Mean Well	PM-15-12	+12@0-1.25A	15.00W	4	150	1.0	0.5	3.0 x 2.1 x 0.9	26.95	25.95	24.95
1954594	Mean Well	PM-15-24	+24@0-0.63A	15.10W	4	240	0.5	0.5	3.0 x 2.1 x 0.9	26.95	25.95	24.95
1954367	Mean Well	PM-20-12	+12@0-1.80A	21.60W	6	150	1.0	0.5	3.7 x 2.2 x 0.9	29.95	28.95	27.95
1954383	Mean Well	PM-20-24	+24@0-0.92A	22.10W	6	240	0.5	0.5	3.7 x 2.2 x 0.9	29.95	28.95	27.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

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105

Rack Mount & DIN-Rail Switching Power Supplies



Custom Configured 19" 2U Rack Mount Power Systems

Now engineers can adapt to varying power needs with this versatile rack mount power system. Simply call us with your specific power requirements and we'll quote you an affordable yet reliable custom configuration. This standard 19" rack mount system provides up to 4,500W of power in a 2U high space.

- Digital meters for output voltage and current available on front panel
- Customer-specified output voltages and currents
- Up to 4,500W output capacity
- LED indicators positioned on front panel
- Includes two-year Mean Well factory warranty

These rack mount power systems are custom orders. For all inquiries including specific lead times, please contact Jameco's Sales Department at 1-800-794-9100, ext. 574.



DIN-Rail Switching Power Supplies

- Short-circuit, overload, overvoltage protection
- Low cost, high reliability
- 100% full-load burn-in test
- Soft-start circuit, limiting AC surge current
- For DIN-Rail terminal blocks see pg 71
- Universal AC input range



Part No.	Mfr. Part No.	Fig.	Pwr (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
1952978	MDR-10-12	7	10	12VDC @ 0.84A	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	\$31.95	\$29.95	\$28.75
1952986	MDR-10-24	7	10	24VDC @ 0.42A	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	31.95	29.95	28.75
373174	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	37.29	33.75
1943300	MDR-20-5	7	15	5VDC @ 3A	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
1943342	MDR-20-15	7	20	15VDC @ 1.34A	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
1943334	MDR-20-12	7	20	12VDC @ 1.67A	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
373182	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	36.95	29.95
1943385	MDR-20-24	7	24	24VDC @ 1A	85-264 @ 47-63/120-370	0.55A (115V)/0.35A (230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
212303	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	46.59	41.95	37.59
1943393	MDR-40-5	8	30	5VDC @ 6A	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
373191	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	36.95	33.75
373212	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	39.95
373203	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	36.95	33.75
1943431	MDR-40-48	8	39.8	48VDC @ 0.83A	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
1943406	MDR-40-12	8	40	12VDC @ 3.33A	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
1943422	MDR-40-24	8	40.8	24VDC @ 1.7A	85-264 @ 47-63/120-370	1.1A (115V)/0.7A (230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
192699	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	46.59	41.95	37.59
221875	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	154.15	138.79	124.85
192681	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	46.59	41.95	37.59
1943449	MDR-60-5	9	50	5VDC @ 10A	85-264 @ 47-63/120-370	1.8A(115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	57.55	48.92	43.16
373230	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.69	47.99	43.88
1943457	MDR-60-12	9	60	12VDC @ 5A	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
373238	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	34.45
373246	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	43.95
1943465	MDR-60-24	9	60	24VDC @ 2.5A	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
1943473	MDR-60-48	9	60	48VDC @ 1.25A	85-264 @ 47-63/120-370	1.8A (115V)/1.0A (230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
212291	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	76.95	68.95	51.69
212282	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	76.95	63.95	61.95
1943481	MDR-100-12	9	90	12VDC @ 7.5A	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	98.95	88.95	68.95
1943490	MDR-100-24	9	90	24VDC @ 4A	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	98.95	88.95	68.95
212274	DR-12012	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	88.55	79.55	69.95
212266	DR-12024	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	88.55	79.55	69.95
221904	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	88.55	79.55	59.95
1953727	DRH-120-24	4	120	24VDC @ 5A	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	99.95	95.95	87.95
1953735	DR-120-48	4	120	48VDC @ 2.5A	340-550 @ 47-63/480-780	0.65A(400V)/0.6A(500V)	3.9 x 2.6 x 4.9	1.7	99.95	95.95	87.95
221892	DRP-24024	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	153.45	137.95	123.95
373123	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	161.45	144.95	129.95
221883	DRP-24048	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	153.45	137.95	103.45
252663	DRP-48024	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	209.95	189.75	162.95
295938	DRP-480S-24	6	480	24VDC @ 20A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	210.95	189.75	162.95
372577	DRT-480-24	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A (400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
301306	DRP-480S-48	6	480	48VDC @ 10A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	234.65	210.95	157.95

DIN Mounting Rail

Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100
248736	2094.0	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	\$6.95	\$6.25	\$5.49

* Switch selectable † With Power Factor Correction

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Precision, Rackmount Power Supplies, Inverters & Converters

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5"8" 3-prong power cord
- Short-circuit protected
- Output mating terminals: see pg 55 for cigarette plugs & pg 141 for banana terminal plugs
- Illuminated rocker switch
- Fuse protected

★ Web Code: YEH

1918745
Cigarette plug



136581
Banana terminal



138668
Banana terminal (rear)



Part No.	Manufacturer	Mfr. Part No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
1918745	Samlex	SPS-1204UL	46.2	13.2VDC @ 3.5A	120VAC @ 60Hz	Cigarette plug / terminals	5.2 x 4.0 x 2.0	2.0	\$39.95	\$34.95	\$32.95
136581	Samlex	RPS1207#	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	69.95	59.95	54.95
138668	Various	38-381 R	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138676	Various	52-192012 R	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

P/N 136581 includes overheating protection

Pure-Sine-Wave DC/AC Inverters

- Output waveform: sine wave
- Thermostatically controlled cooling fan
- Low battery alarm, low battery shutdown, overtemperature, overload, short-circuit, reverse polarity protection
- Output wave form THD: <3%
- Output connector: 3-prong AC receptacle

SAMLEX: • Operating temperature: 0 ~ 40°C • Output voltage: 120VAC (+/-3%) @ 60Hz

Mean Well: • Working temperature: 0 ~ 60°C • Output voltage: 110VAC @ 60Hz



1943570



672624



1945479

★ Web Code: XEL

Part No.	Manufacturer	Mfr. Part No.	Output Power (W)	Efficiency (%)	Input Voltage Range (VDC)	Input Connector	Size (L"xW"xH")	Weight (lbs.)	Pricing	
									1	5
1943570	Samlex	PST-15S-12A	150	85	10.5 - 16.5	Cigarette Lighter Plug	8.3 x 5.8 x 2.6	2.9	\$129.95	\$119.95
672624	Samlex	PST-30S-12A	300	85	10.5 - 16.5	Screwdown terminals	8.4 x 5.8 x 2.6	3.3	175.95	159.95
673467	Samlex	PST-60S-12A*	600	85	10.7 - 16.5	Screwdown terminals	13.2 x 9.3 x 3.3	6.6	275.05	206.25
1952425	Mean Well	TS-1000-112AF R*	1000	88	10.5 - 15.0	Screwdown terminals	15.5 x 7.2 x 2.8	9.5	595.95	545.95
1943545	Mean Well	TS-1500-112A R	1500	87	10.5 - 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	745.95	695.95
1945479	Mean Well	TN-1500-112A R**	1500	87	10.5 - 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	895.95	845.95

* P/Ns 673467/1952425: with built-in GFCI

** Mean Well P/N 1945479: solar panel input w/ UPS function

Rackmount Power Supply

600W Single Output

- AC Input active surge current limiting
- Forced air cooling by built-in DC fan
- Built-in remote sense function • Ripple & noise: 150mVp-p max.
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 19.5"W x 5.0"D x 3.5"H

★ Web Code: MCJ

Part No.	Mfr. Part No.	Output (VDC @ A)	1	10	25
673408	SE-600-48RM +	48 @ 12.5	\$255.55	\$242.72	\$230.58

+ This product is a special order, non-cancelable, non-returnable and may take up to 2 weeks to ship.

10-Amp Point-Of-Load Converter

SIL10E Series, Single Output

- Planar magnetics technology • Input: 4.5V-5.5V
- Working temp.: -40°C to 100°C • Very high MTBF
- Protection: thermal & short-circuit • 96% efficiency at 3.3V
- Highest power density: 107W/in³ • Remote sense • Output: 0.8-3.6V @ 10A

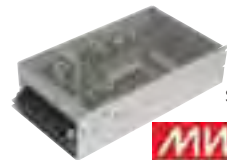
★ Web Code: YBJ

Part No.	Mfr. Part No.	Power	Pins	1	10
219117	SIL10E-05W3V3-V	33W	11	\$23.95	\$20.95

15 to 500-Watt Enclosed Converters

★ Web Code: UBC

- 2:1 wide input range
- 100% burn-in test
- Working temp.: -10°C to +60°C
- Protection: short-circuit, overload and overvoltage



SD150

NEW
MARKED IN PINK

Performance
at Value Prices

SD-15 Series • Built-in EMI filter, low ripple noise

- One-year warranty

SD-25/SD-50/SD-100/SD-150 Series

- Isolation voltage: 1500VDC • Built-in EMI filter, low ripple noise • One-year warranty

SD-200/350 Series • Isolation volt.: 1500VDC • Cooling by free air convection • Fixed switching freq @ 83KHz • **SD-250:** One-year warranty; **SD-300:** Two-year warranty

SD-500 Series • Isolation voltage: 2000VAC

- DC input active surge current limiting • Wide 4:1 ~ 2:1 SC input range

- Forced air cooling by built-in DC fan with fan speed control function
- Three-year warranty

Jameco Part No.	Mfr. Part No.	Input Range	Output		Size (L"xW"xH")	Pins	Line Reg. (%)	Load Reg. (%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
1953807	SD-15A-12 R	9.2-18V	+12V@1.25A	15.0W	3.1x2.0x1.1	5	0.3	0.3	120	\$29.45	\$26.45	\$23.75	\$20.45
1953823	SD-15B-12 R	18-36V	+12V@1.25A	15.0W	3.1x2.0x1.1	5	0.3	0.3	120	29.45	26.45	23.75	20.45
1953840	SD-15C-12 R	36-72V	+12V@1.25A	15.0W	3.1x2.0x1.1	5	0.3	0.3	120	29.45	26.45	23.75	20.45

Continued on next page

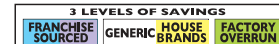
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

2 to 40-Watt Encapsulated DC-to-DC Converters



NEW
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15 to 500-Watt Enclosed Converters (Continued)

★ Web Code: **UBC**

Complete Specifications on Previous Page

Jameco Part No.	Mfr. Part No.	Input Range	Output		Size (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
175662	SD-25A-5R	9-18V	+5V@5.0A	25.0W	3.9x3.8x1.4	5	0.5	0.5	100	\$41.55	\$32.95	\$28.95	\$27.75
175805	SD-25A-12R	9-18V	+12V@2.1A	25.2W	3.9x3.8x1.4	5	0.3	0.3	120	41.55	32.95	28.95	27.75
175813	SD-25A-24R	9-18V	+24V@1.1A	26.4W	3.9x3.8x1.4	5	0.2	0.2	150	41.55	32.95	28.95	27.75
212549	SD-50A-5R	9-18V	+5V@10A	50.0W	6.3x3.8x1.5	5	0.5	0.5	100	39.95	35.95	32.95	29.95
212531	SD-50B-12R	19-36V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	49.95	38.95	34.95	31.95
212514	SD-50B-24R	19-36V	+24V@2.1A	50.4W	6.3x3.8x1.5	5	0.2	0.2	150	49.95	38.95	34.95	31.95
212506	SD-50C-12R	36-72V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	49.95	38.95	34.95	31.95
212469	SD-100C-12R	36-72V	+12V@8.5A	102.0W	7.8x3.9x1.5	7	0.3	0.3	120	69.75	63.55	56.95	48.95
217270	SD-150B-12R	19-36V	+12V@12.5A	150.0W	7.8x4.3x2.0	7	0.5	0.5	120	89.95	79.95	69.95	55.95
1953903	SD-200B-12R	19-36	+12V@ 16.7A	200.4W	8.5x4.5x2.0	9	0.5	1.0	100	135.95	129.95	124.95	118.95
1953920	SD-200C-12R	36-72	+12V@ 16.7A	200.4W	8.5x4.5x2.0	9	0.5	1.0	120	135.95	129.95	124.95	118.95
1953760	SD-200D-12R	72-144	+12V@ 16.7A	200.4W	8.5x4.5x2.0	9	0.5	1.0	120	135.95	129.95	124.95	118.95
1953954	SD-200B-24R	19-36	+24V@ 8.4A	201.6W	8.5x4.5x2.0	9	0.5	1.0	150	135.95	129.95	124.95	118.95
1953743	SD-200C-24R	36-72	+24V@ 8.4A	201.6W	8.5x4.5x2.0	9	0.5	1.0	150	135.95	129.95	124.95	118.95
1953891	SD-350B-5R	19-36	+5V@ 57A	285.0W	8.5x4.5x2.0	9	0.5	1.0	100	149.95	142.95	135.95	129.45
1953962	SD-350B-12R	19-36	+12V@ 27.5A	330.0W	8.5x4.5x2.0	9	0.3	1.0	120	149.95	142.95	135.95	129.45
1953997	SD-350C-12R	36-72	+12V@ 27.5A	330.0W	8.5x4.5x2.0	9	0.3	1.0	120	149.95	142.95	135.95	129.45
1953971	SD-350B-24R	19-36	+24V@ 14.6A	350.4W	8.5x4.5x2.0	9	0.2	1.0	150	149.95	142.95	135.95	129.45
1954009	SD-350C-24R	36-72	+24V@ 14.6A	350.4W	8.5x4.5x2.0	9	0.2	1.0	150	149.95	142.95	135.95	129.45
1954050	SD-500H-12R	19-72	+12V@ 40A	480.0W	8.5x4.5x2.0	7	0.5	0.5	150	199.95	192.95	164.95	156.95
1954033	SD-500L-12R	19-72	+12V@ 40A	480.0W	8.5x4.5x2.0	7	0.5	0.5	150	199.95	192.95	164.95	156.95



2 to 40-Watt Encapsulated Converters

NEW
MARKED IN PINK

★ Web Code: **NAX**

PDL02 Series

- SIP package
- External on/off control
- 2:1 wide input voltage range
- Continuous
- UL94V-0 case potting material
- Fixed switching frequency
- Two-year warranty

SCW03, DCW03, SLW05, SCW05, DCW05, SCW08, DCW08, SKE10, DKE10, SKA15, DKA15, SKE15 & DKE15 Series

- 1000VDC I/O isolation
- Shield metal case
- Short-circuit/overload protection
- 2:1 wide input range
- Cooling by free air convection
- One-year warranty

Performance
at Value Prices

FKC08, FEC15, FDC10, FED20, FEC30 & FEC40 Series

- 2:1 & 4:1 wide input voltage range (depending on model)
- Short-circuit/overload protection
- Fixed switching frequency
- 1600VDC isolation
- Standard DIP package (24-pin)
- Two-year warranty

Performance
at Value Prices

SCW12 & DCW12 Series

- 2:1 wide input voltage range
- Short-circuit/overload protection
- 1500VDC I/O isolation
- Built-in remote on/off control
- Built-in EMI filter
- Two-year warranty
- Five sided shielded metal case

Performance
at Value Prices

DKA30 & TKA30 Series

- 1000VDC I/O isolation
- Short-circuit/overload protection
- 2:1 wide input range
- Six sided shielded metal case
- Cooling by free air convection
- Remote on/off control
- One-year warranty

Performance
at Value Prices

PDL02

SLW05

FKC08

TKA30

Jameco Part No.	Manufacturer	Mfr. Part No.	Input Range	Output		Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
				Voltage@Current	Power						1	10	25	100
1943748	Power Mate	PDL02-05S3P3	4.5-9	+3.3V@500mA	2W	0.86x0.36x0.44	7	0.5	0.85	50	\$15.95	\$14.75	\$13.35	\$12.95
1943772	Power Mate	PDL02-12S05	9-18	+5V@400mA	2W	0.86x0.36x0.44	7	0.5	0.75	50	15.95	14.36	12.76	11.96
213269	Mean Well	SCW03A-05	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	16.95	16.23	15.22	14.20
155919	Mean Well	DCW03A-05	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	21.25	20.17	19.16	18.20
161702	Mean Well	DCW03A-12	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	22.19	20.02	18.01	16.21
220354	Mean Well	SLW05A-033	9-18V	+3.3V@1500mA	5W	2.0x1.0x0.44	5	0.2	0.5	100	25.15	22.62	20.37	18.32
1953292	Mean Well	SCW05A-05	9-18V	+5V@1000mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	19.95	18.95	17.95	15.95
1953313	Mean Well	SCW05B-05	18-36V	+5V@1000mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	19.95	18.95	17.95	15.95
216929	Mean Well	SLW05A-05	9-18V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	27.95	23.95	21.95	19.95
216937	Mean Well	SLW05B-05	18-36V	+5V@100mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	25.95	22.95	20.95	18.95
213234	Mean Well	SLW05C-05	36-72V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	19.49	17.52	15.76	14.19
1953233	Mean Well	DCW05A-05	9-18V	+5V@500mA; -5V@500mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	24.95	22.95	21.95	19.95
1953268	Mean Well	DCW05B-05	18-36V	+5V@500mA; -5V@500mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	24.95	22.95	21.95	19.95
1953284	Mean Well	DCW05C-05	36-72V	+5V@500mA; -5V@500mA	5W	1.25x0.8x0.48	8	0.5	0.5	50	24.95	22.95	21.95	19.95
216911	Mean Well	SLW05B-12	18-36V	+12V@417mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.46	17.97	13.48
216882	Mean Well	SLW05A-15	9-18V	+15V@333mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.40	19.96	18.20
1953241	Mean Well	DCW05A-12	9-18V	+12V@230mA; -12V@230mA	5.5W	1.25x0.8x0.48	8	0.5	0.5	60	24.95	22.95	21.95	19.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Continued on next page

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

2 to 40-Watt Encapsulated DC-to-DC Converters

2 to 40-Watt Encapsulated Converters (Continued)

NEW
MARKED IN PINK

★ Web Code: NAX

Jameco Part No.	Manufacturer	Mfr. Part No.	Input Range	Output		Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing				QUANTITY SAVE
				Voltage@Current	Power						1	10	25	100	
1953250	Mean Well	DCW05B-12	18-36V	+12V@230mA; -12V@230mA	5.5W	1.25x0.8x0.48	8	0.5	0.5	60	\$24.95	\$22.95	\$21.95	\$19.95	
1953276	Mean Well	DCW05C-12	36-72V	+12V@230mA; -12V@230mA	5.5W	1.25x0.8x0.48	8	0.5	0.5	60	24.95	22.95	21.95	19.95	
1953348	Mean Well	SCW05C-12	36-72V	+12V@470mA	5.6W	1.25x0.8x0.48	8	0.5	0.5	60	19.95	18.95	17.95	15.95	
1943799	Power Mate	FKC08-12S3P3	9-18V	+3.3V@2000mA	8W	1.25x0.8x0.4	9	0.2	0.5	50	33.95	32.95	29.95	27.95	
1943844	Power Mate	FKC08-24S12W	9-36V	+12V@666mA	8W	1.25x0.8x0.4	9	0.2	0.5	50	33.95	32.95	29.95	27.95	
1953495	Mean Well	SCW08A-12	9-18V	+12V@670mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	21.95	19.95	18.95	16.95	
1953516	Mean Well	SCW08B-12	18-36V	+12V@670mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	21.95	19.95	18.95	16.95	
1953541	Mean Well	SCW08C-12	36-72V	+12V@670mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	21.95	19.95	18.95	16.95	
1953356	Mean Well	DCW08A-12	9-18V	+12V@335mA; -12V@335mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	30.95	27.95	24.95	20.95	
1953372	Mean Well	DCW08B-12	18-36V	+12V@335mA; -12V@335mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	30.95	27.95	24.95	20.95	
1953399	Mean Well	DCW08C-12	36-72V	+12V@335mA; -12V@335mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	30.95	27.95	24.95	20.95	
1953364	Mean Well	DCW08A-15	9-18V	+15V@267mA; -12V@267mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	30.95	27.95	24.95	20.95	
1953381	Mean Well	DCW08B-15	18-36V	+15V@267mA; -12V@267mA	8W	1.25x0.8x0.48	8	0.5	0.5	60	30.95	27.95	24.95	20.95	
216962	Mean Well	SKE10A-05	9-18V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	35.95	31.95	29.95	26.95	
216953	Mean Well	SKE10B-05	18-36V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	36.35	34.80	32.54	30.26	
216945	Mean Well	SKE10C-05	36-72V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	35.95	30.95	27.95	20.42	
217032	Mean Well	SKE10A-05	9-18V	+5V@1000mA; -5V@1000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	38.09	34.29	27.42	20.57	
217024	Mean Well	SKE10B-12	18-36V	+12V@840mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	35.95	32.95	25.95	19.35	
1943860	Power Mate	FDC10-24D12	18-36V	+12V@416mA; -12V@416mA	10W	2.0x1.0x0.4	6	0.2	1.0	75	39.95	37.95	35.95	33.95	
217092	Mean Well	DKE10A-12	9-18V	+12V@420mA; -12V@420mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	34.95	29.95	24.95	19.64	
217112	Mean Well	DKE10A-15	9-18V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.69	35.16	32.87	27.94	
217075	Mean Well	DKE10B-15	18-36V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.69	35.16	32.87	24.65	
1953428	Mean Well	SCW12A-05	9-18V	+5V@2400mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	34.95	32.95	29.75	25.45	
1953461	Mean Well	SCW12C-05	36-72V	+5V@2400mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	34.95	32.95	29.75	25.45	
1954421	Mean Well	DCW12A-05	9-18V	+5V@1200mA; -5V@1200mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	38.95	34.95	30.95	26.95	
1954076	Mean Well	DCW12C-05	36-72V	+5V@1200mA; -5V@1200mA	12W	1.25x0.8x0.48	9	0.5	0.5	50	38.95	34.95	30.95	26.95	
1953452	Mean Well	SCW12B-12	18-36V	+12V@1000mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	34.95	32.95	29.75	25.45	
1953479	Mean Well	SCW12C-12	36-72V	+12V@1000mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	34.95	32.95	29.75	25.45	
1952994	Mean Well	DCW12A-12	9-18V	+12V@500mA; -12V@500mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	38.95	38.95	34.95	34.95	
1953022	Mean Well	DCW12B-12	18-36V	+12V@500mA; -12V@500mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	38.95	34.95	30.95	26.95	
1953049	Mean Well	DCW12C-12	36-72V	+12V@500mA; -12V@500mA	12W	1.25x0.8x0.48	9	0.5	0.5	60	38.95	34.95	30.95	26.95	
1944071	Power Mate	FEC15-24S3P3	18-36V	+3.3V@4000mA	15W	2.0x1.0x0.4	6	0.5	0.5	50	45.95	43.95	41.95	39.95	
1953153	Mean Well	SKA15A-05	9-18V	+12V@3000mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	36.95	34.95	32.95	29.95	
155716	Mean Well	SKE15A-05	9-18V	+5V@3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	33.95	31.95	29.95	25.95	
1954172	Mean Well	SKA15B-05	18-36V	+12V@3000mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	36.95	34.95	32.95	29.95	
213277	Mean Well	SKE15B-05	18-36V	+5V@3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	33.99	32.65	30.61	27.54	
1953065	Mean Well	DKA15A-05	9-18V	+5V@1500mA; -5V@1500mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	36.95	34.95	32.95	29.95	
1953081	Mean Well	DKA15B-05	18-36V	+5V@3000mA; -5V@1500mA	15W	2.0x1.0x0.44	5	0.2	0.5	50	36.95	34.95	32.95	29.95	
1953161	Mean Well	SKA15A-12	9-18V	+12V@1250mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
155708	Mean Well	SKE15A-12	9-18V	+12V@1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35	
1953170	Mean Well	SKA15B-12	18-36V	+12V@1250mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
213285	Mean Well	SKE15B-12	18-36V	+12V@1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	33.95	32.45	29.95	27.95	
1953196	Mean Well	SKA15C-12	36-72V	+12V@1250mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
1953073	Mean Well	DKA15A-12	9-18V	+12V@625mA; -12V@625mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
1953090	Mean Well	DKA15B-12	18-36V	+12V@625mA; -12V@625mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
1953102	Mean Well	DKA15C-12	36-72V	+12V@625mA; -12V@625mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
1953111	Mean Well	DKA15C-15	36-72V	+15V@500mA; -15V@500mA	15W	2.0x1.0x0.44	5	0.2	0.5	60	36.95	34.95	32.95	29.95	
155695	Mean Well	SKE15A-24	9-18V	+24V@625mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35	
213293	Mean Well	DKE15A-24	9-18V	+24V@313mA; -24V@313mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	32.95	29.66	23.73	21.59	
1944100	Power Mate	FED20-24S05	18-36	+5V@4000mA	20W	2.0x1.0x0.4	6	0.2	0.5	75	50.95	47.95	44.95	42.95	
1944302	Power Mate	FED20-24S12	18-36	+12V@1670mA	20W	2.0x1.0x0.4	6	0.2	0.5	75	50.95	47.95	44.95	42.95	
1953129	Mean Well	DKA30A-05	9-18V	+5V@2500mA; -5V@2500mA	25W	2.0x2.0x0.82	8	0.5	0.5	100	45.95	42.95	39.95	36.95	
1954121	Mean Well	DKA30C-05	36-72V	+5V@2500mA; -5V@2500mA	25W	2.0x2.0x0.82	8	0.5	0.5	100	45.95	42.95	39.95	36.95	
1953217	Mean Well	TKA30B-B	18-36V	+5V@310mA; ±12V@310mA	25W	2.0x2.0x0.82	8	5.0	5.0	100	39.95	36.95	32.95	29.95	
217728	Mean Well	TKA30B-C	18-36V	+5V@3500mA; ±15V@250mA	25W	2.0x2.0x0.82	8	0.2	0.2	100	49.95	44.95	39.95	37.95	
217681	Mean Well	TKA30C-B	36-72V	+5V@3500mA; ±12V@310mA	25W	2.0x2.0x0.82	8	0.2	0.2	100	39.95	35.95	32.95	29.95	
1945516	Power Mate	FEC30-24S05W	10-40	+5V@6000mA	30W	2.0x1.6x0.4	7	0.5	0.5	75	76.95	71.95	67.95	64.95	
1945524	Power Mate	FEC30-24S12W	10-40	+12V@2500mA	30W	2.0x1.6x0.4	7	0.5	0.5	100	76.95	72.95	68.95	65.95	
1954130	Mean Well	DKA30A-15	9-18	+15V@1000mA; -15V@1000mA	30W	2.0x2.0x0.82	8	0.5	0.5	100	45.95	42.95	39.95	36.95	
1945541	Power Mate	FEC40-24S05W	9-36	+5V@8000mA	40W	2.0x2.0x0.4	9	0.2	0.5	50	83.95	79.95	75.95	69.95	
1945559	Power Mate	FEC40-24S15	18-36	+15V@2.66A	40W	2.0x2.0x0.4	9	0.5	0.5	75	83.95	79.95	75.95	69.95	

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



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AC-to-DC Regulated & Unregulated Table-Top Power Supplies

3 LEVELS OF SAVINGS
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GENERIC BRANDS
HOUSE BRANDS
FACTORY OVERRUN

See page 121 for International Power Cords

AC-to-DC Regulated & Unregulated Table-Top Power Supplies

We will change any power plug (pg 55) on any table-top power supply (100 pc. minimum) for a small additional charge.

NEW
MARKED IN PINK

• Color: black

211060

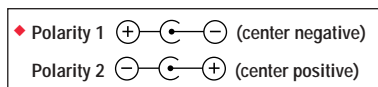
689661

143714

391770

673651

220442



Female (F)

Male (M)

DIN (M)

Stripped



QUANTITY
SAVE

Part Number	Manufacturer ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD/F = female; M = male; Polarity ◆	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
			Pwr (W)	Volts (VDC)/ Current (A)								1	10	50	100
2-Wire AC Input – Regulated Linear Table-Top												★ Web Code: CEM			
664261	Intermec	062035	3.75	+5/0.75	120@60	4-pin DIN M	No	4.4 x 2.5 x 2.0	6'/6'	1.6	UL/CSA	\$6.95	\$5.95	\$4.95	\$3.95
211060	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm F 2	No	3.4 x 2.7 x 2.2	6'6'6'	1.7	UL/CSA	11.95	10.95	9.95	8.95
174845	Jameco ReliaPro	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F 2	No	4.4 x 3.0 x 2.5	6'/6'	2.6	UL	17.95	15.95	13.95	10.45
3-Wire AC Input – Regulated Linear Table-Top															
689661	Regal	R1JG-5500	30	+5/1; -5/0.5	120@60	5-pin DIN M	No	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	\$12.95	\$11.49	\$10.49	\$9.49
689653	Regal	RJM-551228	55	+5/0.9; -5/0.2; +12/0.62; -28/0.16	120@60	6-pin DIN M	No	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	14.95	13.49	11.95	9.95
2-Wire AC Input – Unregulated Table-Top										★ Web Code: TBE					
190051	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	\$7.95	\$6.95	\$5.95	\$4.95
243109	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	7.95	6.95	5.95	4.95
136565	Jameco ReliaPro	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	3.2 x 2.2 x 1.9	6'/6'	1.2	N/A	15.35	13.82	11.05	9.95
140880	Jameco ReliaPro	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	16.95	14.27	12.10	9.08
143714	Horizon	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	19.75	17.76	15.99	14.39
143722	Jameco ReliaPro	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	16.45	14.55	12.95	9.55
143731	Jameco ReliaPro	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	15.49	13.95	11.15	8.39
139096	Jameco ReliaPro	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	4.4 x 3.1 x 2.6	6'/6'	2.5	N/A	18.49	16.79	15.29	11.47
2-Wire AC Input – Regulated Switching Table-Top										★ Web Code: DDZ					
1586242	Philhong	PSAA15W-050-R	15	+5/3.0	100-240@50-60	2.1mm x 5.5mm F 2	No	3.2 x 2.0 x 1.2	6' 1	—	UL/CUL/TUV/CE	\$20.49	\$18.72	\$17.31	\$15.90
379612	Mean Well	ES25B05-P1JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6' 1	0.5	UL/CSA/TUV/CE	15.95	14.49	12.95	11.49
380621	Mean Well	ES25B05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	17.95	15.95	13.95	11.95
1707067	Mean Well	ES25B07-P1J	22	+7.5/2.93	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6' 1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
195806	Horizon	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.95	19.95	18.95
195768	Mean Well	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	23.65	22.82	20.74	18.86
380681	Mean Well	ES25B09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	19.95	17.95	15.95	13.95
1950905	APS	AD715U-1121	15	+12/1.2	100-240@50-60	2.5mm x 5.5mm F 2	No	3.7 x 2.1 x 1.3	6' 1	0.5	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95
191353	Delta	ADP-15FB	15	+12/1.25	100-240@50-60	2.1mm x 5.5mm F 2	No	3.5 x 2.3 x 1.2	6' 1	0.5	UL/CE	17.95	15.95	14.49	12.95
1586251	Philhong	PSAA15W-120-R	15	+12/1.25	100-240@50-60	2.1mm x 5.5mm F 2	No	3.2 x 2.0 x 1.2	6' 3	0.5	UL/CUL/TUV/CE	20.49	18.72	17.31	15.90
391770	Mean Well	ES18B12-P1JU	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55
1943043	Fairway	VE15B-120	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	No	3.1 x 2.1 x 1.1	6' 1	0.5	UL/CE/TUV	19.95	17.95	15.95	13.95
673651	Artesyn	SSL20C-7612	20	+12/1.67	100-240@50-60	2.5mm x 5.5mm F 2	No	4.6 x 2.4 x 1.1	3'3' 1	0.4	UL/CSA/VDE	12.95	10.95	8.95	6.95
1537555	APD	DA-24B12	24	+12/2.0	100-240@47-63	2.5mm x 5.5mm F 2	No	3.6 x 2.2 x 1.3	6' 1	0.4	UL/CUL/TUV/CE	17.95	15.95	14.49	12.95
379947	Mean Well	ES25B12-P1JU	25	+12/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	23.35	20.88	18.27	17.41
220442	Jameco ReliaPro	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.0 x 1.2	6' 1	0.6	UL/CUL/TUV/CE	29.95	26.95	21.95	19.95
1707104	Mean Well	ES25B48-P1J	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.2 x 2.1 x 1.3	6' 1	0.4	UL/CUL/TUV/CE	10.95	9.95	8.95	7.95
1940547	Mean Well	ES25B24-P1JU	25	+24/1.04	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	30.25	28.75	27.39	25.95
1952353	Mean Well	P30B-6P2JU	27	+24/1.1	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	39.95	37.95	34.55	32.95
1953815	SR Components	DC24-1.2	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	4.5 x 3.4 x 2.6	5'/6'	0.7	UL	19.95	17.95	15.95	13.95
1707075	Mean Well	ES18B28-P1J	18	+28/0.64	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6' 1	0.5	UL/CUL/TUV/CE	12.95	10.95	9.95	8.95
205911	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F 2	No	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	10.95	9.95	8.95	7.95
1707139	Mean Well	ES25B48-P1J	25	+48/0.52	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6' 1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
196138	DVE	DSA-0283A	23	+5/1; +12/1.49; -5/0.43	100-240@47-63	5-pin DIN M	No	4.9 x 2.7 x 1.5	6' 1	0.8	UL/CSA/TUV	9.95	8.95	7.95	6.95

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord
† Right angle ▲ Manufacturer and product number may vary except for ReliaPro, Mean Well and Philhong ☉ Blue Part No. = Limited Quantity Available

3-Wire Regulated Table-Top Power Supplies on Next Page



Accessory Power Input Cords for Table-Top Power Supplies

For more Power Cords see page 120.

Part No.	Ref. No.*	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type	Pricing			
									1	10	50	100
189587	1	2-conductor power cord (Figure 8 style) ☉	Black	18/2	UL/CSA	6'	0.3	SPT	\$2.35	\$2.15	\$1.95	\$1.79
38050	2	3-conductor power cord ☉	Black	18/3	UL/CSA	6'	0.4	SVT	4.85	4.59	3.69	3.09
1953559	3	3-conductor power cord (Mickey Mouse style) ☉	Black	18/3	UL/CSA	6'	0.4	SPT-2	2.79	2.49	2.25	1.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

☉ RoHS compliant product ☉ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

AC-to-DC Regulated Switching Table-Top Power Supplies

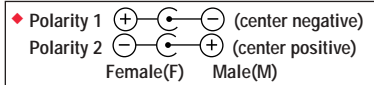
AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 55) on any table-top power supply (100 pc. minimum) for a small additional charge.

NEW
MARKED IN PINK

• Color: black

See page 121 for
International Power Cords



309876

1950884

1586146

Female (F)

Male (M)

DIN (M)



We will change any power plug (pg 55) on any table-top power supply (100 pc. minimum) for a small additional charge.

* Web Code: DDZ

Part Number	Manufacturer ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD mm Female/Male; Polarity ♦	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Pwr (W)	Volts (VDC)/ Current (A)								1	10	50	100	
3-Wire AC Input – Regulated Switching Table-Top																
1928863	DVE	DSA0210D-03	13	+3.3/4.0	100-240@50-60	2.5mm x 5.5mm F 2	No	3.9 x 2.0 x 1.4	4' 2	0.5	UL/CUL/TUV/CE	\$14.95	\$13.49	\$11.95	\$10.95	
308700	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2	No	4.2 x 2.0 x 1.6	6' 2	0.4	UL/CUL/TUV/CE	9.95	8.95	7.95	6.95	
1918737	Magtech	SPU15A-102	5	+5/1.0	100-240@47-63	2.5mm x 5.5mm F 2	Yes	3.6 x 1.5 x 1.4	6' 2	0.4	UL/CUL/TUV/CE	10.95	9.95	8.95	7.95	
1952169	Go Forward	91-58414	10	+5/2.0	100-240@50-60	1.3mm x 3.5mm F 2	No	2.6 x 1.9 x 1.3	6' 2	0.4	UL/CUL/TUV/CE	12.95	11.49	10.49	8.49	
309876	Go Forward	G112-US0520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	2.6 x 1.9 x 1.3	6' 2	0.4	UL/CUL/TUV/CE	13.95	12.49	10.95	9.95	
196218	GlobTek	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	3.4 x 1.9 x 1.3	6' 2	0.4	UL/CUL/TUV/CE	19.99	17.95	16.15	11.95	
1955642	Delta	ADP-105B	10	+5/2.0	100-240@50-60	2.5mm x 5.5mm F 2	No	3.3 x 1.9 x 1.2	6' 2	0.3	UL/CUL/CE	12.95	11.49	9.95	8.95	
1954236	Mean Well	GS15A-1P1J	12	+5/2.4	90-264@47-63	2.1mm x 5.5mm F 2	No	3.9 x 2.3 x 1.3	6' 2	0.4	UL/CUL/TUV/CEC	29.95	26.95	23.95	20.95	
377845	Mean Well	ES18A05-P1JU	15	+5/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	23.59	21.59	18.79	13.95	
1940387	Mean Well	GS18A05-P1JU	15	+5/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	4' 6	0.5	UL/CUL/TUV/CE/CEC	23.95	21.55	16.55	15.95	
1940571	Mean Well	GS25A05-P1JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	4' 6	0.5	UL/CUL/TUV/CEC	27.25	25.95	24.57	22.99	
1952337	Mean Well	GS40A05-P1JU	25	+5/5.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.2	4' 2	0.7	UL/CSA/TUV/CEC	39.95	37.95	34.55	32.95	
1952361	Mean Well	GS60A05-P1J	30	+5/6.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.3	4' 2	0.7	UL/CUL/TUV/CEC	62.95	55.95	50.95	43.95	
320081	GlobTek	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.3	6' 2	0.7	UL/CUL/TUV/CE	30.95	27.95	25.95	22.95	
221488	Mean Well	SPU50-1U	50	+5/10.0	100-240@50-60	5-pin DIN M	Yes	5.7 x 3.0 x 1.7	6' 6	2.0	UL/CUL/TUV/CE	51.85	46.90	42.02	37.82	
379751	Mean Well	P30A-1-P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.7	UL/CSA/TUV/CE	19.95	18.95	18.00	17.10	
206528	Mean Well	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.7 x 1.5	6' 6	1.5	UL/CUL/TUV/CE	33.05	29.75	26.44	24.23	
377862	Mean Well	ES18A09-P1JU	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	24.79	22.31	19.70	18.59	
379736	Mean Well	ES18A09-P1MU	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	20.65	18.59	16.41	15.49	
211027	Mean Well	KA52B25-MODU	25	+9/2.78	100-240@47-63	2.1mm x 5.5mm F 2	No	4.2 x 2.6 x 1.5	6' 2	0.9	CSA/TUV/CE	14.95	13.49	11.95	10.95	
1940213	EDAC, Inc.	EA10302	30	+9/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.9 x 1.8 x 1.2	4' 1	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95	
1955651	ELPAC	W0812	8	+12/0.67	100-240@47-63	2.5mm x 5.5mm F 2	No	3.3 x 1.9 x 1.2	6' 6	0.8	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95	
1928417	Mean Well	G112-US1210	12	+12/1.0	100-240@50-60	2.1mm x 5.5mm F 2	No	2.9 x 1.9 x 1.3	6' 2	0.3	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95	
1954244	Mean Well	GS15A-3P1J	15	+12/1.25	90-264@47-63	2.1mm x 5.5mm F 2	No	3.9 x 2.3 x 1.3	6' 2	0.4	UL/CUL/TUV/CEC	29.95	26.95	23.95	20.95	
228989	Philhong	PSA18U-120	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	No	3.9 x 2.2 x 1.2	6' 2	0.5	UL/CUL/TUV/CE	25.95	23.95	20.95	19.95	
379702	Mean Well	ES18A12-P1MU	18	+12/1.5	90-264@47-63	2.5mm x 1.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	21.59	20.51	19.49	18.51	
1940416	Mean Well	GS18A12-P1JU	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CEC	23.95	21.55	16.55	15.95	
616216	Various	UP01831120	18	+12/1.5	90-264@50-60	2.5mm x 1.5mm F 2	No	3.7 x 2.3 x 1.4	6' 2	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95	
1928425	ITE	NL20-120160-11	19	+12/1.6	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 1.8 x 1.2	6' 2	0.2	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95	
1537432	Eng Electric	EPA-201D-12	20	+12/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.4 x 1.3	6' 2	0.2	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95	
103173	DVE	DSA-0421S-123	24	+12/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.3	6' 3	0.5	UL/CSA/TUV/CE	17.95	15.95	14.49	12.95	
379779	Mean Well	ES25A12-P1JU	25	+12/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	23.89	21.41	18.74	14.06	
380534	Mean Well	ES25A12-P1MU	25	+12/2.08	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	24.95	22.95	19.95	18.09	
1940601	Mean Well	GS25A12-P1JU	25	+12/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	4' 6	0.5	UL/CUL/TUV/CEC	24.95	22.95	17.55	16.95	
1950884	APS	AD725U-1120A	25	+12/2.1	100-240@50-60	2.1mm x 5.5mm F 2	No	3.8 x 2.1 x 1.3	6' 2	0.5	UL/CUL/TUV/CE	19.95	14.95	13.49	11.95	
1586277	Philhong	PSC30U-120-R	30	+12/2.5	100-240@50-60	2.1mm x 5.5mm F 2	No	3.9 x 2.2 x 1.2	5' 2	0.6	UL/CUL/TUV/CE	27.25	25.44	23.13	21.02	
1918690	First Vision	SA06H12-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.0 x 1.4	4' 2	0.6	UL/CUL/TUV/CE	12.95	11.49	10.95	9.95	
1942147	Jentec	SA06H1217-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.0 x 1.4	6' 2	0.6	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95	
1942155	Jentec	JTA0210P	36	+12/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.0 x 1.2	6' 1	0.6	UL/CUL/TUV/CE	19.95	17.95	14.95	12.95	
401042	Jameco ReliaPro	ADPV16	36	+12/3.0	100-240@50-60	2.1mm x 5.5mm F 2	No	3.9 x 1.8 x 1.2	6' 1	6.0	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19	
1586146	EDAC, Inc.	EA10301	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.8 x 1.8 x 1.2	6' 2	0.7	UL/CUL/TUV/CE	19.95	17.95	14.95	12.95	
155214	Mean Well	A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.7	UL/CUL/TUV	40.25	36.19	32.56	29.32	
1946113	Li Shin	LSE0107A1240	40	+12/3.33	100-240@50-60	2.1mm x 5.5mm F 2	No	4.5 x 2.0 x 1.2	6' 2	0.6	UL/TUV/CE	21.95	19.95	15.95	12.95	
1708625	HiPro	HP02040043	40	+12/3.33	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.4 x 1.2	5' 2	0.7	UL/CUL/TUV/CE/CE	19.95	17.95	14.95	12.95	
355064	Jameco ReliaPro	JR-TT-40-12	40	+12/3.33	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 2	0.6	UL/CUL/TUV/CE	29.95	27.75	25.95	23.95	
1952345	Mean Well	GS40A12-P1J	40	+12/3.4	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.3	4' 2	0.7	UL/CUL/TUV/CEC	39.95	37.95	34.55	32.95	

* See accessory table-top power cord chart on page 110 when AC cord needed; refer to 1, 2, or 3 in "Cord (DC/AC)" column above for correct power cord. † Right angle. Blue Part No. = Limited Quantity Available
▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Philhong and GlobTek. CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

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HOUSE BRANDS
FACTORY OVERRUN

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• Color: black

See page 121 for
International Power Cords

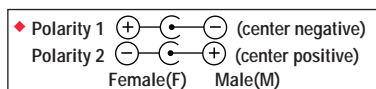
1940846

297757

1537125

1586322

We will change any power plug (pg 55) on any table-top power supply (100 pc. minimum) for a small additional charge.



Female (F)














































Male (M)

DIN (M)



NEW
MARKED IN PINK

★ Web Code: DDZ

Part Number	Manufacturer ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD mm Female/Male; Polarity ◆	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing				<div>QUANTITY SAVE</div>
			Pwr (W)	Volts (VDC)/ Current (A)								1	10	50	100	
3-Wire AC Input – Regulated Switching Table-Top (Continued)																
1940264	EDAC, Inc. 	EA1050E	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.4	4' / 2	0.6	UL/CUL/TUV/CE	\$22.95	\$20.66	\$18.36	\$17.21	
1940272	EDAC, Inc. 	EA1050C	50	+12/4.16	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.4	4' / 2	0.6	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95	
1586314	Phihong 	PSC60M-120-R	60	+12/5.0	100-240@50-60	2.1mm x 5.5mm F 2	No	5.1 x 2.4 x 1.3	4' / 3	0.7	UL/CUL/TUV/CE	38.55	35.95	32.95	31.35	
1952370	Mean Well 	GS60A12-PJ	60	+12/5.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 1.9 x 1.2	4' / 2	0.7	UL/CUL/TUV/CEC	59.95	55.95	53.95	49.95	
155231	Mean Well 	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	5.7 x 3.0 x 1.7	6' / 6'	1.3	UL/CSA/TUV	63.35	58.41	52.57	47.31	
1952370	Mean Well 	GS60A12-P1JU	60	+12/5.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.3	6' / 6'	0.7	UL/CUL/TUV/CEC	59.95	55.95	53.95	49.95	
376607	Mean Well 	P66A-3P2JU	66	+12/5.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' / 6'	1.2	UL/CSA/TUV/CE	43.95	38.95	36.95	34.95	
1940811	Mean Well 	FM90C12-P1MU	80	+12/6.6	100-240@50-60	2.5mm x 5.5mm F 2	No	5.3 x 2.3 x 1.2	4' / 6'	0.9	UL/CUL/TUV/CE	76.95	72.95	69.95	65.95	
1940846	Mean Well 	AS-120P-12	100	+12/8.4	100-240@50-60	4-pin DIN M	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	89.95	85.95	79.95	75.95	
1940432	Mean Well 	GS18A15-P1JU	18	+15/1.2	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' / 6'	0.5	UL/CUL/TUV/CEC	23.95	21.55	16.55	15.95	
1940619	Mean Well 	GS25A15-P1JU	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	No	3.7 x 2.1 x 1.4	6' / 6'	0.5	UL/CUL/TUV/CEC	24.95	22.95	17.55	16.95	
221576	Mean Well 	P40A-4P2JU	40	+15/2.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' / 6'	0.8	UL/CSA/TUV/CE	37.45	33.62	30.25	27.23	
391743	Mean Well 	P66A-4P2JU	66	+15/4.4	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' / 6'	1.2	UL/CSA/TUV/CE	42.25	37.25	33.80	31.69	
1940854	Mean Well 	AS-120P-15	100	+15/6.7	100-240@50-60	4-pin DIN M	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	89.95	80.96	71.96	67.46	
380550	Mean Well 	ES25A18-P1MU	25	+18/1.35	90-264@47-63	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' / 6'	0.6	UL/CSA/TUV/CE	19.95	17.95	15.95	13.95	
243046	Mean Well 	P66A-5P2JU	66	+18/3.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' / 6'	1.2	UL/CUL/TUV/CE	46.19	41.90	38.66	35.46	
1954279	Mean Well 	GS15A-3P1J	12	+24/0.62	90-264@47-63	2.1mm x 5.5mm F 2	No	3.9 x 2.3 x 1.3	6' / 2	0.4	UL/CUL/TUV/CEC	29.95	26.95	23.95	20.95	
1940459	Mean Well 	GS18A24-P1JU	18	+24/0.75	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' / 6'	0.5	UL/CUL/TUV/CEC	25.95	22.95	17.95	16.95	
380577	Mean Well 	ES25A24-P1MU	25	+24/1.04	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' / 6'	0.6	UL/CSA/TUV/CE	22.35	20.92	19.88	16.85	
1940635	Mean Well 	GS25A24-P1JU	25	+24/1.04	100-240@50-60	2.1mm x 5.5mm F 2	No	3.7 x 2.1 x 1.4	6' / 6'	0.5	UL/CUL/TUV/CEC	27.95	24.95	19.55	18.95	
221681	Mean Well 	P30A-6P2JU	27	+24/1.1	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' / 6'	0.8	UL/CSA/TUV/CE	31.25	28.13	25.30	22.76	
1940230	EDAC, Inc. 	EA1030D2	30	+24/1.25	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.9 x 1.8 x 1.2	4' / 1	0.5	UL/CUL/TUV/CE	22.95	19.95	17.95	15.95	
229026	Phihong 	PSC30U-240-R	30	+24/1.25	100-240@50-60	2.1mm x 5.5mm F 2	No	4.5 x 2.4 x 1.4	6' / 2	0.5	UL/CUL/TUV/CE	29.95	26.95	23.96	22.46	
1952353	Mean Well 	GS40A12-P1J	40	+24/1.67	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.2	6' / 2	0.7	UL/CUL/TUV/CEC	39.95	37.95	34.55	32.95	
297757	Mean Well 	P40A-6P2MU	40	+24/1.7	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' / 6'	0.7	UL/CUL/VDE/CE	41.69	37.54	33.78	30.40	
1537256	Ault 	PW125RA2403F2	41	+24/1.7	100-250@50-60	2.5mm x 5.5mm F 2	Yes	3.9 x 2.6 x 1.7	6' / 2	0.7	UL/CUL/TUV/CE	19.95	17.95	15.95	12.95	
1537125	EDAC, Inc. 	EA1050B-240	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	4.8 x 2.4 x 1.4	6' / 2	1.8	UL/CUL/TUV/CE	36.95	33.45	29.95	25.45	
1940281	EDAC, Inc. 	EA1050D	50	+24/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.4	4' / 2	0.6	UL/CUL/TUV/CE	24.95	22.46	19.95	17.95	
1952214	Mean Well 	GS60A24-P1JU60	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.3	6' / 6'	0.7	UL/CUL/TUV/CEC	62.95	55.95	50.95	43.95	
1950913	EDAC, Inc. 	EA1050B-240-2.5	60	+24/2.5	100-240@47-63	2.5mm x 5.5mm F 2	Yes	4.8 x 2.4 x 1.4	6' / 2	1.8	UL/CUL/TUV/CE	34.95	31.45	28.30	25.45	
1586322	Phihong 	PSC60M-240-R	60	+24/2.5	100-240@50-60	2.1mm x 5.5mm F 2	No	5.1 x 2.4 x 1.3	4' / 3	0.7	UL/CUL/TUV/CE	32.29	31.95	31.64	31.33	
355056	Jameco ReliaPro 	JR-TT-66-24	66	+24/2.75	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' / 2	1.2	UL/CUL/TUV/CE	47.95	45.45	42.95	39.95	
1708342	Potrans 	BUP07211240	72	+24/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.3 x 2.3 x 1.4	6' / 2	1.0	TUV/CE	39.95	35.95	31.95	28.95	
1940838	Mean Well 	FM90C42-P1MU	90	+24/3.75	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.3 x 2.3 x 1.2	4' / 6'	0.9	UL/CUL/TUV/CE	76.95	72.95	69.95	65.95	
1940871	Mean Well 	AS-120P-24	120	+24/5	100-240@50-60	4-pin DIN M	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	89.95	85.95	79.95	75.95	
1707083	Mean Well 	ES18A28-P1J	18	+28/0.64	100-264@47-63	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' / 2	0.5	UL/CUL/TUV/CB/CE	19.95	17.95	15.95	13.95	
1940651	Mean Well 	GS25A48-P1JU	25	+48/0.52	100-240@50-60	2.1mm x 5.5mm F 2	No	3.7 x 2.1 x 1.4	6' / 6'	0.5	UL/CUL/TUV/CEC	27.95	24.95	19.55	18.95	
380606	Mean Well 	ES25A48-P1MU	25	+48/0.52	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' / 6'	0.6	UL/CSA/TUV/CE	14.95	14.20	13.49	12.82	
215088	Mean Well 	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' / 6'	0.7	UL/CSA/TUV/CE	24.29	24.16	21.96	19.96	
221584	Mean Well 	P40A-8P2JU	40	+48/0.8	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' / 6'	0.8	UL/CUL/TUV/CE	34.95	33.20	31.54	29.95	
1952396	Mean Well 	GS60A48-P1JU	60	+48/1.25	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.2	6' / 6'	0.7	UL/CUL/TUV/CE/CEC	62.95	55.95	50.95	43.95	
196270	Jameco ReliaPro 	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	4.2 x 2.6 x 1.4	6' / 4'	1.2	UL/CUL/TUV/CE	29.65	26.75	23.95	20.95	
221720	Mean Well 	P25A14E-R1BU	25	+5/2.5, +15/0.3	100-240@50-60	5-pin DIN M	Yes	4.3 x 2.6 x 1.4	6' / 6'	0.8	UL/CUL/TUV/CE	34.25	27.95	24.95	21.95	
190960	Mean Well 	P25A13D-R1U	26	+5/2.5, +12/0.8, -12/0.3	100-240@50-60	5-pin DIN M	Yes	4.1 x 2.6 x 1.4	6' / 6'	1.1	CUL/TUV/CE	39.99	36.02	32.38	29.18	
404443	AcroPower 	ASX30T-577/07	30	+5/3, +12/0.1, -12/0.5	100-240@50-60	5-pin DIN M	No	6.0 x 3.5 x 2.0	6' / 6'	2.0	UL/CUL/CE	19.95	17.95	15.95	13.95	
221702	Mean Well	P50A13D-R1BU	50	+5/4.0, +12/2.0, -12/0.5	100-240@50-60	5-pin DIN M	Yes	5.7 x 3.0 x 1.7	4' / 6'	1.5	UL/CUL/TUV/CE	56.35	50.75	45.68	34.26	
237367	Mean Well	P50A14E-R1BU	42	+5/3.5, +15/1.2, -15/0.3	100-240@47-63	5-pin DIN M	Yes	5.8 x 3.0 x 1.7	4' / 6'	1.2	UL/CUL/TUV/CE	46.75	42.10	40.99	39.90	

* See accessory table-top power cord chart on page 110 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

◆ Blue Part No. = Limited Quantity Available

▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Phihong and GLOBTEK

CEC

3-Wire Regulated Table-Top Power Supplies continued on next page

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

GlobTek®

AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- 3-wire AC input
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078, pg 120
- Ripple and noise: 1% or 100mV, whichever is smaller
- UL/CUL/TUV/CE approved for medical applications
- Isolation voltage: 4,000VAC
- Size: 2.9"L x 2.0"W x 1.6"H



★ Web Code: WBM

Part No.	Mfr. Part No.	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230683	TR9CE1250CP	15.6	+12/1.3	\$36.95	\$32.95	\$29.95	\$24.95
230691	TR9CG1200CP	18.0	+15/1.2	44.69	40.65	34.39	31.95
230798	TR9CI2100LCP	50.4	+24/2.1	55.95	49.95	45.95	42.95

veleman 24-Watt Switching Table-Top Power Supply

- Input voltage: 100-240VAC @ 50-60Hz
- Low electromagnetic interference
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China
- Output current: 2A
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm x & 1.7mm x 4mm



Part No.	Mfr. Part No.	Size (H x W x D)	1	10
1537491	PSSMV3	4.7" x 3.3" x 2.5" 0	\$42.95	\$39.95

veleman

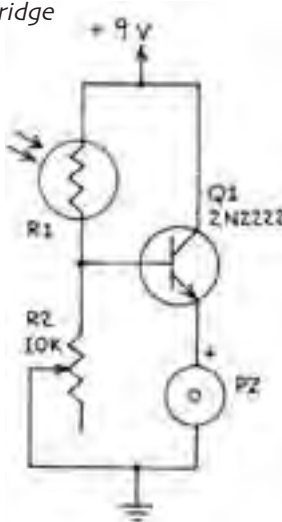
- Stabilized outputs, low ripple & interference
- LED power indicator
- Short-circuit, overload protection
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm, 2.5mm x 5mm

Includes: Power cord

Part No.	Mfr. Part No.	Output Current	Size (L x W x H)	1	10
1537521	PSSMV7U	1.5A to 4A	3.5" x 1.8" x 1.2"	\$49.95	\$46.95

36-Watt Switching Table-Top Power Supply

- High efficiency, low energy consumption
- Input voltage: 100-240VAC @ 50/60Hz
- Output voltage: 5VDC to 24VDC in 1V increments



Is a family member or roommate sneaking into the fridge at night? Find out with a refrigerator burglar alarm!

The circuit employs a cadmium sulfide photoresistor (R1) in series with trimmer pot R2 to form a voltage divider connected to Q1's base. R1 has a very high resistance when dark. When the refrigerator's door is opened, the internal light switches on and the resistance of R1 drops sharply. This switches Q1 on and applies current to PZ, a high frequency piezo buzzer. The buzzer will switch off only when the refrigerator door is closed.

For best results, conceal the circuit behind a food product placed near the refrigerator light and orient the circuit so R1 faces toward the light. Adjust trimmer R2 to switch off the tone when R1 is dark.

Parts List (Jameco Part Numbers in Parentheses)

- Q1 2N2222A NPN transistor (38236)
 - PZ1 Piezoelectric alerter (335557)
 - R1 cadmium sulfide photoresistor (202454)
 - R2 1K trimmer pot (770806)
- Miscellaneous:**
 Perforated board, 9-volt battery, battery connector clip (e.g. 216427), refrigerator with snacks and potential refrigerator robber(s).

For complete recipe details...
Jameco.com/Recipe

The Jameco Recipe Card

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

AC-to-AC & AC-to-DC Wall Adapters



NEW
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AC-to-AC Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 55) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

*Web Code: ABQ



- Input: 120VAC @ 60Hz
- One-year warranty



Part Number	Manufacturer ▲	Part Number ▲	Output Rating		Output Connector ID x OD mm Female/Male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VAC)	Current (mA)							1	10	50	100	
249017	Jameco ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$6.19	\$5.61	\$4.47	\$3.50	
210729	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm F	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.95	5.35	4.79	4.39	
100061	Jameco ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	6.95	5.75	4.89	3.99	
1950921	ITI	AM-9700ALF	9	700	Screw terminals	2.8 x 2.0 x 1.7	White	N/A	0.6	UL	4.95	4.49	3.95	3.59	
236814	Jameco ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	4.95	4.70	4.47	4.25	
1581281	OEM	AA-091A	9	1000	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.49	3.95	3.49	
102234	Jameco ReliaPro	ACU090100Z8182	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.19	
1586154	Arndt	A9-1A	9	1000	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.49	3.49	
157041	Jameco ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95	
112336	Jameco ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	9.95	8.95	7.95	6.95	
688634	Arndt	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	4.95	4.49	3.95	2.95	
2076643	Radio Shack	15-1963	12	400	2.1mm x 5.5mm F	2.6 x 1.7 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.49	3.95	3.59	
1707155	Multi-Link	AA-1250G	12	500	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL	5.95	5.35	4.79	4.39	
101258	Jameco ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.29	6.05	5.93	5.44	
2076666	CIC	48A12-500Q	12	500	2.1mm x 5.5mm right angle F	3.3 x 2.6 x 2.0	Black	6'	1.0	CSA	5.49	4.75	4.25	3.75	
10081	Jameco ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.59	6.83	6.83	5.69	
100167	Jameco ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.59	7.19	6.87	5.99	
10428	Jameco ReliaPro	ACU120100Z9121	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	7.35	6.60	5.94	5.35	
167151	Jameco ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	7.59	6.87	6.10	4.58	
307838	Jameco ReliaPro	ADU120160H4120	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.49	9.95	7.49	6.75	
153761	Jameco ReliaPro	ADU120160C2521	12	1600	3.5mm M	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.49	9.95	7.49	6.75	
206404	Arndt	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	N/A	0.9	UL/CSA	7.55	6.40	6.19	5.34	
171408	Jameco ReliaPro	ACU140050	14	500	2.1mm x 5.5mm F	2.8 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	6.15	5.15	4.75	4.35	
318684	Jameco ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	12.49	9.95	7.49	6.69	
100108	Jameco ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	11.15	10.15	8.40	6.25	
163053	Jameco ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.87	7.10	5.33	
121216	Jameco ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	5.99	
185439	Ault	T5182200-A020G†	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	None	11.95	10.49	9.49	7.09	
2076631	Ault	T57-182200	18	2200	2.1mm x 5.5mm F	3.2 x 2.6 x 2.2	Black	5'6"	1.2	UL/CSA	12.95	11.49	9.95	8.95	
87581	Jameco ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.95	5.35	4.79	4.29	
206439	Arndt	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	N/A	0.9	UL/CSA	8.95	7.95	6.95	5.95	
140599	Jameco ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.85	10.95	8.95	6.65	
10102	Jameco ReliaPro	ADU240100E0461	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.95	9.86	8.76	6.95	
176356	Jameco ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	13.85	12.47	10.53	8.31	

▲ Manufacturer and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek † 3-Prong

NEW
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AC-to-DC Regulated Switching Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

- ◆ Polarity 1 (+) (-) (center negative)
- Polarity 2 (-) (+) (center positive)
- Female(F) Male(M)



We will change any power plug (pg 55) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



*Web Code: CDZ

Part Number	Manufacturer ▲	Product Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
1809805	Globtek	WR9HA1000CP-F(R)	5	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.1 x 1.2 x 1.6	Black	6'	0.2	UL/CUL/CE	\$10.95	\$9.95	\$8.95	\$7.95
1940660	Mean Well	GS06U1P1J	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
1950981	Philips	AY3192/17	5	2000	1.7mm x 4.0mm F 2	100-240@50-60	3.1 x 1.4 x 1.3	Black	6'	0.3	UL/CUL	12.95	10.95	9.95	8.95
210894	Jameco ReliaPro	SYS1193-1005	5	2000	2.1mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.95	13.45	11.95	9.95
1940740	Mean Well	GS12U05P1I	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL/CEC	19.95	18.95	16.95	13.95
189190	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	14.95	13.49	11.95	10.95
1954199	Mean Well	GS15U-1P1J	5	2400	2.1mm x 5.5mm F 2	90-264@47-63	2.8 x 1.3 x 2.0	Black	6'	0.4	UL/CUL/CEC	28.55	25.55	22.95	19.95
689864	DVE	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	12.95	11.49	10.49	9.49
1919158	Compaq	281855-001	5	3000	1.3mm x 3.5mm F 2	100-240@50-60	3.1 x 1.4 x 2.2	Black	6'	0.3	UL/CUL/TUV/CE	10.95	9.95	8.95	7.95
1952863	Mean Well	GS18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	4'	0.5	UL/CUL/CEC	19.25	18.30	17.40	16.50
379622	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.75	14.18	12.60	11.81
1918702	Globtek	GT-41052-1506	6	2500	2.5mm x 5.5mm right angle F 2	100-240@50-60	2.9 x 1.7 x 1.5	Black	6'	0.5	UL/CUL/CE	10.95	9.95	8.95	7.95
1940678	Mean Well	GS06U-11P1J	7.5	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
1940758	Mean Well	GS12U07/P1I	7.5	1600	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	19.95	18.95	16.95	13.95

▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Phihong and Globtek †† Interchangeable plugs CEC

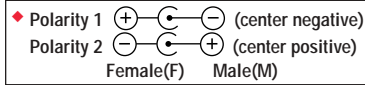
*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

AC-to-DC Regulated Switching Wall Adapters (Continued)

* Web Code: CDZ

NEW MARKED IN PINK



We specialize in Wall Adapters – Call for additional OEM PRICING.
 We will change any power plug (pg 55) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Female



1946121



1707112

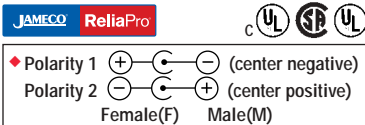
Part Number	Manufacturer▲	Manufacturer Part No.▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
1946121	Protech	BSA-15-105B	5	3000	2.5mm x 5.5mm rt. angle F 2	100-120@57-63	2.9 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$10.95	\$9.95	\$8.95	\$7.95
380008	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	12.95	11.49	10.49	9.49
1940686	Mean Well	GS06U-2P1J	9	660	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
1940766	Mean Well	GS12U09-P1I	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	20.55	18.50	14.35	13.95
228947	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	19.95	17.95	15.95	13.95
380140	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CEC	13.29	13.29	12.35	12.35
1940694	Mean Well	GS06U-3P1J	12	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1955036	ARNDT	26092*	12	700	2.1mm x 5.5mm F 2	95-240@47-63	4.0 x 2.3 x 1.1	Black	5.5'	0.4	UL/CUL	10.95	9.95	8.95	7.95
1940774	Mean Well	GS12U12-P1I	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	20.55	18.55	14.35	13.95
1946148	Touch	SP9715C-A	12	1200	2.1mm x 5.5mm F 2	100-120@50-60	2.9 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	13.95	12.49	11.29	10.49
1954623	Dee Van	DSA-0151A-12	12	1250	2.1mm x 5.5mm F 2	100-120@50-60	3.1 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	14.95	13.49	11.95	10.95
1954201	Mean Well	SW15U-3P1J	12	1250	2.1mm x 5.5mm F 2	90-264@47-63	2.8 x 1.3 x 2.0	Black	6'	0.4	UL/CUL/CE	28.55	25.55	22.95	19.95
1952855	Mean Well	GS18U12-P1J	12	1500	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE/CEC	19.25	18.30	17.40	16.50
380156	Mean Well	GS25U12-P1J	12	2080	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE/CEC	16.95	50.00	15.95	45.00
1940707	Mean Well	GS06U-4P1J	15	400	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
1707112	Mean Well	SW12U15-P1I	15	800	2.1mm x 5.5mm F 2	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	9.95
1940782	Mean Well	GS12U15-P1I	15	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	20.55	18.55	14.35	13.95
1940715	Mean Well	GS06U-5P1J	18	330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
1940791	Mean Well	GS12U18-P1I	18	670	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	20.55	18.55	14.35	13.95
380374	Mean Well	ES25U18-P1M	18	1390	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	10.95
380190	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.95	13.46	11.96	10.95
1940723	Mean Well	GS06U-6P1J	24	250	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
1940803	Mean Well	GS12U24-P1I	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL/CEC	18.95	16.95	14.95	13.49
1954252	Mean Well	GS15U-6P1J	24	620	2.1mm x 5.5mm F 2	90-264@47-63	2.8 x 1.3 x 2.0	Black	6'	0.4	UL/CUL/CEC	28.55	25.55	22.95	19.95
1952898	Mean Well	ES18U24-P1J	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	23.34	22.17	21.06	20.01
380412	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.95	14.59	13.59	12.59
1940731	Mean Well	GS06U-8P1J	48	125	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CEC	19.95	17.95	13.95	12.95
380446	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.95	12.49	11.29	9.95

▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

* With light indicator

CEC

Blue Part No. = Limited Quantity Available



AC-to-DC Regulated Linear Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.
 We will change any power plug (pg 55) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



Female

* Web Code: WAZ



319986



681571

Part Number	Manufacturer▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VDC)	Current (mA)								1	10	50	100	
164101	Jameco ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	N/A	\$9.95	\$8.95	\$7.95	\$6.95	
220935	Jameco ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	13.95	12.49	10.95	7.95	
319986	DVE	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	11.95	10.95	9.95	8.95	
1953612	Jameco ReliaPro	DBU0501000	5	1000	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95	
168605	Jameco ReliaPro	DBU0501000	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95	
681571	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	6.95	5.95	
1919220	Friwo	FE4823	5	1200	2.5mm x 5.5mm F 2	120@60	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	13.95	12.49	10.95	9.95	
190512	Jameco ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	8.95	7.95	6.95	5.95	
283573	G.T.	DC600500	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95	
1953701	Jameco ReliaPro	DBU060500	6	500	2.5mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95	
1953719	Jameco ReliaPro	DBU0601000	6	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.3	UL/CSA	14.95	13.49	11.95	10.95	
190529	Jameco ReliaPro	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	8.95	7.95	6.95	5.95	
1953639	Jameco ReliaPro	DCU09050	9	500	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95	
1953647	Jameco ReliaPro	DCU09050	9	500	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95	
220898	Jameco ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	5.95	
162996	Jameco ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	3.2 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95	
170245	Jameco ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95	
1953663	Jameco ReliaPro	DCU1201000	12	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CSA/CEC	14.95	13.49	11.95	10.95	
174861	Jameco ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	16.55	15.80	13.95	9.95	
174879	Jameco ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95	
1953698	Jameco ReliaPro	DFU2401000	24	1000	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	17.95	15.95	13.95	12.49	
1953671	Jameco ReliaPro	DFU2401000	24	1000	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	17.95	15.95	13.95	12.49	

▲ Manufacturer and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

CEC

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

AC-to-DC Unregulated Wall Adapters



JAMECO ReliaPro



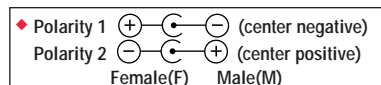
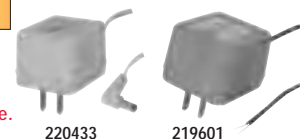
NEW
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AC-to-DC Unregulated Wall Adapters

*Web Code: UAP

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 55)
on any DC wall adapter listed
(100 pc. minimum) for a small additional charge.



Part Number	Manufacturer ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)							1	10	50	100
112070	Jameco ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	\$4.95	\$4.49	\$3.99	\$3.49
155601	Jameco ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	7.95	7.29	6.59	5.95
302439	Dynage	AD-0630M	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.49	4.25	3.95	3.49
119255	Jameco ReliaPro	DBU06005022251	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	6.25	5.55	4.95	4.25
106054	Various	106054	6	500	2.1mm x 5.5mm F 2	2.3 x 1.8 x 1.8	Black	6'	0.4	UL/CUL	4.25	3.95	3.75	3.49
101266	Jameco ReliaPro	DBU060050E3860	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.85	4.37	3.88	3.64
15544	Jameco ReliaPro	DBU060050Z8371	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	5.49	4.97	3.97	2.98
147707	Jameco ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	7.19	6.59	5.75	5.09
220943	Jameco ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95
220951	Jameco ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
248751	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	7.95	6.95	6.25	5.59
280250	Jameco ReliaPro	DDU075110	7.5	1100	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.39	7.55	6.04	4.53
127511	Jameco ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F 2	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.72	6.80	5.10
355936	ENG	35-9-200C	9	200	1.3mm x 3.5mm F 2	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	5.35	4.79	4.39
134025	Jameco ReliaPro	DBU090020Z6100	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.39	4.59	3.45
100845	Jameco ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	4.37	4.07	3.70
100837	Jameco ReliaPro	DBU090020Z5490	9	200	3.5mm M 2	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	5.35	5.15	4.69	4.00
133891	Jameco ReliaPro	DBU090030C112	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.45	4.37	4.07	3.70
318676	Jameco ReliaPro	DBU090030H5790	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.65	5.40	4.92	4.18
1949120	Various	AD35-0900300DU	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL	4.49	3.95	2.95	2.25
189238	Jameco ReliaPro	DBU090030H4540	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.35	4.52	3.71	2.96
202155	Jameco ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	5.55	4.95	4.39	3.95
1954615	Mei Int.	MADA-2131	9	350	2.5 mm M 1	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	4.95	4.49	3.95	3.49
140636	Jameco ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F 2	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	6.19	5.59	4.95	4.59
202171	Jameco ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.95	4.45	3.95	2.95
163628	Jameco ReliaPro	DCU090050Z7484	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.35	5.75	4.95
170270	Panasonic	PQLV1	9	500	2.1mm x 5.5mm right angle F 1	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.49	3.95	2.95
1810081	CUI Stack	DU-9500	9	500	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.75	4.49	4.25
100853	Jameco ReliaPro	DCU090050E2961	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.19	5.14	5.09	4.67
147731	Jameco ReliaPro	AD-11950	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	5.45	5.25	4.74	4.26
236937	Jameco ReliaPro	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.95	6.25	5.56	4.55
1586162	CUI Stack	DPD090050	9	500	3.5mm M 2	2.3 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.25	3.75
15561	Jameco ReliaPro	DCU090050A2011	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	6.45	5.78	5.20	4.68
202180	Jameco ReliaPro	DCU090060F2091	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.19	4.67	4.15	3.68
100175	Jameco ReliaPro	DCU090060Z6652	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.29	5.89	5.35	4.89
652341	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	3.95	3.59	3.19	2.79
202198	Jameco ReliaPro	DCU090080	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95
421577	Powerline	0900-12	9	850	2.5mm x 5.5mm F 2	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	5.95	4.95	3.95	3.25
164929	Jameco ReliaPro	DDU090100C2550	9	900	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	6.95	5.95	5.45	4.09
421690	Fisher Price	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	6.95	5.95	4.95	3.95
364576	Jameco ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.95	7.95	6.95	5.19
227774	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	5.95	4.95	3.95	2.95
1586082	GTE	ADP2108GT	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	5.95	4.95	4.49	3.95
127504	Jameco ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	10.95	9.46	8.33	6.62
15587	Jameco ReliaPro	DDU090100	9	1000	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	6.95	5.95
130526	Jameco ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	8.95	7.95	6.95	5.95
143693	Jameco ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F 2	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	9.95	8.95	7.95	6.95
163993	Jameco ReliaPro	DBU120020E2291	12	200	2.1mm x 5.5mm right angle F 1	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	14.89	13.39	12.00	10.85
100095	Jameco ReliaPro	DBU120020G0610	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	5.95	4.95	4.45	3.95
158043	Jameco ReliaPro	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.85	4.54	3.81	2.85
185658	Jameco ReliaPro	DBU120020G1710	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	6.35	5.71	4.57	3.43
220433	Jameco ReliaPro	DBU120020G1220	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	5.19	4.67	4.15	3.79
219601	Jameco ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	5.75	4.95	3.95	3.35
318692	Jameco ReliaPro	DBU120030H5770	12	300	1.3mm x 3.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.99	4.10	3.60	3.15
127976	Jameco ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.99	5.39	4.79	4.49
249236	Jameco ReliaPro	DBU120030G8970	12	300	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	6.45	5.79	4.64	4.19
190503	Jameco ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	7.35	6.59	5.95	5.39

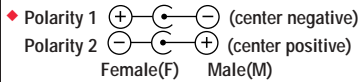
▲ Manufacturer and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

More AC-to-DC Wall Adapters listed on pages 115 & 117

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



AC-to-DC Unregulated Wall Adapters (Continued)

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 55) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

*Web Code: UAP

NEW
 MARKED IN PINK



Part Number	Manufacturer ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Curr. (mA)							1	10	50	100
114825	Jameco ReliaPro	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	\$6.29	\$4.99	\$4.37	\$4.10
695252	ITE Power	AD-41120500	12	500	1.3mm x 3.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95
15368	Jameco ReliaPro	DCU120050Z8698	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.45	7.25	6.95	6.59
102496	Jameco ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.59	5.95	5.45
131300	Jameco ReliaPro	DCU120050E0251	12	500	2.1mm x 5.5mm right angle F 2	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	7.39	6.65	5.78	5.08
102277	Jameco ReliaPro	DCU120050UE2631	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.19	6.47	5.83	5.24
17267	Jameco ReliaPro	DCU120050Z5391	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.79	6.50	5.86	5.32
202201	Jameco ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.45	6.92	6.09	4.75
202219	Jameco ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	6.95	6.35	5.75	4.95
117479	Jameco ReliaPro	DDU120080E6451	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.99	7.36	6.77	5.08
2077343	Cui Stack	48-12-800D	12	800	2.1mm x 5.5mm F 2	2.5 x 2.2 x 1.9	Black	9'	0.9	UL/CUL	8.25	7.49	6.95	5.19
129331	Jameco ReliaPro	DDU120080F2412	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.39	6.65	5.98	5.38
121232	Jameco ReliaPro	DDU120080F2271	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.39	7.54	6.00	5.65
100870	Jameco ReliaPro	DDU120100Z7974	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	10.79	9.71	8.74	7.86
1950788	Various	WD481201000	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	7.95	6.95	5.95	4.69
105478	Jameco ReliaPro	DDU120100Z2993	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.49	7.49	6.39	4.79
189579	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	6.95	6.25	5.59	4.19
15392	Jameco ReliaPro	DDU120100E7302	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
196779	Jameco ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
313226	Jameco ReliaPro	DFU120150H4490	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	13.95	12.95	11.95	10.95
203036	Jameco ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	12.95	11.95	10.95	7.95
136881	Jameco ReliaPro	DDU120150K1960	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.99	13.46	11.99	8.99
1928151	Leader	481215003CT	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.3 x 2.1	Black	6'	1.5	UL/CUL	12.95	11.49	9.95	8.19
101291	Jameco ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	13.85	12.89	10.96	8.22
2077626	Qual Comm	TXACA036	13	1000	2.5mm x 5.5mm F 2 (switching)	2.7 x 2.4 x 1.6	Black	6'6"	0.6	UL/CE	12.95	11.49	9.95	8.19
308099	Jameco ReliaPro	DDU1135100	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.89	8.90	7.12	5.34
212821	Jameco ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	6.55	5.88	4.69	4.04
129314	Various	DV-1250	14	360	2.5mm x 5.5mm right angle F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	3.95	3.59	3.19	2.79
123932	Jameco ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.49	7.18	6.60	5.68
202260	Jameco ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	9.95	8.59	7.75	5.79
190001	Jameco ReliaPro	DCU150050E3021	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	6.79	6.11	5.55	4.89
189982	Jameco ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.99	7.27	5.83	4.38
203502	Jameco ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	9.59	8.59	6.36
151992	Jameco ReliaPro	DDU150100E8181	15	1000	2.1mm x 5.5mm F 1	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	7.95	6.95	5.95	4.45
191652	Jameco ReliaPro	DDU150100D7051	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	11.09	9.99	8.99	8.09
681563	Ault	P4815100A020G	15	1000	2.5mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	8.95	7.95	6.95	5.90
162317	Jameco ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	10.49	9.18	8.24	7.38
217541	NiteRider	FE4116168C030	16.8	300	2.5mm x 5.5mm F 2	3.1 x 2.1 x 1.6	Black	6'	0.6	UL/CUL	6.95	5.95	4.95	3.95
181729	Jameco ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	5.95	4.55	3.95	3.55
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	6.95	6.25	5.59	4.95
163272	Jameco ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	6.45	5.95	5.45
206958	Jameco ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285	Jameco ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635	Jameco ReliaPro	DDU240050C1981	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	6.95
191556	Jameco ReliaPro	DDU240050E5852	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.79	9.28	9.10	8.93
139088	Jameco ReliaPro	DDU240050E9160	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	11.15	10.15	9.15	8.10
168495	Jameco ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	13.29	11.85	10.65	9.75
220960	Jameco ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	13.95	12.95	11.95	8.95
249130	Jameco ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	15.95	14.95	13.95	12.45
249121	Jameco ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	16.95	15.95	13.95	11.95
249113	Jameco ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	16.95	15.95	13.95	10.39
199523	Jameco ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	11.75	10.55	8.44	6.33
215095	Jameco ReliaPro	MW48-4800250	48	250	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	7.95	7.45	6.95	4.95
230640	Jameco ReliaPro	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	9.95	8.95	7.95	6.95
215109	Jameco ReliaPro	MW57-4800500	48	500	2.5mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	10.95	9.86	7.89	6.35
15309	Jameco ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	9.49	8.55	7.69	6.95
123158	Jameco ReliaPro†	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	—	10.95	9.86	8.87	6.59

† 120 to 220VAC

▲ Manufacturer and cross reference number may vary except for Jameco ReliaPro, Mean Well, Pihong and Globtek

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

European & Slim Line Wall Adapters & Transformers



Energy Star/European Compliant Interchangeable-Plug Wall Adapters

Meets US and European Energy Star compliance. Approved for European high-efficiency power applications.

- Field changeable AC plugs (sold separately, see below)
- Input voltage: 90-264VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive
- Load regulation: $\pm 5\%$
- Regulated output
- Power-On LED
- Energy Star and ECOC compliant
- Double insulated
- Class B EMI



Wall Adapters (plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking

RPA (USA) (European) RPE (UK) RPK RPS (Australia)

★ Web Code: NBH

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output Volt. (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation (%)	Efficiency (%)	Dimensions (L" x W" x H")	Pricing			
										1	10	50	100
1950761	ITE	163-1149B	5	5	1.0	50	$\pm 1\%$	60 - 75	2.8 x 1.8 x 1.2	\$9.95	\$8.95	\$7.95	\$6.95
228743	Phihong	PSA05R-050-R	5	5	1.0	50	$\pm 1\%$	60 - 75	2.8 x 1.8 x 1.2	19.95	17.95	15.95	13.95
662881	Phihong	PSM11R-120	10	12	0.84	120	$\pm 5\%$	65 - 70	2.8 x 1.8 x 1.2	19.95	17.95	15.95	13.95
662910	Phihong	PSA15R-120P	15	12	1.25	120	$\pm 5\%$	70 - 85	2.8 x 2.0 x 1.3	22.95	20.49	18.95	16.95

Plug Clip Kit (sold separately, required for above adapters)

Part No.	Mfr.	Mfr. P/N	Description	1	10	50	100
229163	Phihong	RPE	European plug (1)	\$.70	\$.62	\$.59	\$.56
229181	Phihong	RPKIT	Kit includes RPA/RPE/RPK/RPS clips (4)	3.39	2.95	2.65	2.39

JAMECO ReliaPro

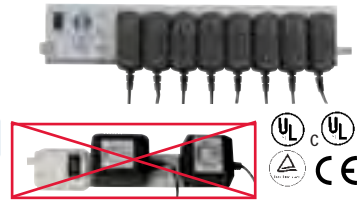
"Slim Line" Regulated Switching Wall Adapters

Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Output cord length: 6'
- Input voltage: 100 - 240VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm F2 (center positive)
- Color: black
- One-year warranty



We'll Brand the Adapters
With Your Company Name
Call 1-800-831-4242 for Details



★ Web Code: CBQ

CEC Equivalents Available Below

Choose from 2 Models!		Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
RoHS Part No.	CEC Part No.	Volt (VDC)	Curr. (mA)			1	10	50	100
251564	251565	3.3	1500	2.5x1.1x1.7	0.2	\$12.95	\$11.49	\$10.49	\$7.95
252701	251600	3.3	2500	2.9x1.1x1.7	0.3	11.95	10.95	9.95	7.45
252719	252720	5	1000	2.5x1.1x1.7	0.2	12.79	11.49	10.39	9.29
252727	252728	5	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	7.94
—	252736	5	2500	2.9x1.3x2.2	0.3	13.15	11.84	10.52	9.86
252752	252753	9	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
1950841	—	9	1000	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252778	252779	9	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252786	—	9	1500	2.9x1.3x2.2	0.3	13.95	12.49	11.29	10.19

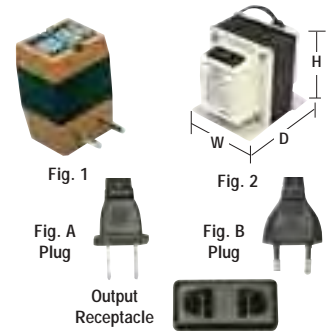
Choose from 2 Models!		Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
RoHS Part No.	CEC Part No.	Volt (VDC)	Curr. (mA)			1	10	50	100
252794	252795	12	250	2.5x1.1x1.7	0.2	\$11.55	\$10.40	\$9.24	\$7.25
252807	252808	12	500	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252815	252816	12	600	2.5x1.1x1.7	0.2	12.65	11.39	10.12	9.49
—	252824	12	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252832	252833	12	1250	2.9x1.3x2.2	0.3	14.55	13.25	12.19	11.75
254757	—	15	800	2.9x1.3x2.2	0.2	13.45	12.11	9.69	7.27
—	252904	15	1000	2.9x1.3x2.2	0.3	15.95	14.36	12.76	11.96
252858	—	24	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	7.57
252866	—	24	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252874	2076341	24	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52

International Step-Up & Step-Down Transformers

★ Web Code: RAL

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions			Wt. (lbs.)	Pricing		
							H"	W"	D"		1	10	100
99477	AC220V50	1/A	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	\$9.25	\$8.35	\$6.25
85008	AC220V300	2/A	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	50.35	44.82	40.35
221331	G1S-500	2/A	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	79.95	71.95	64.95
221217	P8689	2/A	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	91.75	87.45	65.59
99573	AC110V50	1/B	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	12.79	10.87	8.15
85016	AC110V300	2/B	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	34.95	33.69	29.95
111851	AC110V500	2/B	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	55.95	50.35	48.49
142906	AC110V1500	2/B	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	107.09	96.38	85.65

* Manufacturer may vary



Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder

★ Web Code: BAN

Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions			Wt. (lbs.)	Pricing		
							L"	W"	H"		1	10	100
104409	XFR16350	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	\$17.79	\$15.12	\$11.34
101864	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	9.95	9.45	8.98
104417	XFR36150	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	13.95	12.49	10.95

† Terminal solder lugs are on same side * Triad cross is for reference only

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

2.5 to 12.6VA Split-Bobbin Power Transformers

*Web Code: **LBK**

QUANTITY
SAVE

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions			Wt. (lbs.)	Pricing		
								L"	W"	H"		1	10	100
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38	1.13	1.19	0.3	\$4.49	\$4.05	\$3.64
102534	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32	1.64	1.38	0.4	9.55	8.60	7.73
102593	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58	1.90	1.46	0.7	8.95	6.95	5.06
148559	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59	1.91	1.46	0.7	7.95	6.76	5.95

* Triad cross is for reference only

7.6 to 288VA Power Transformers

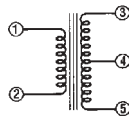
*Web Code: **JAM**

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

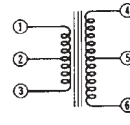
- Primary: 115VAC or 115/230VAC, 50-60Hz



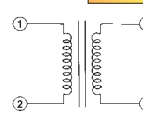
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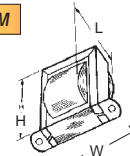
115VAC 50-60Hz
Fig. 1



115/230VAC 50-60Hz
Fig. 2



115VAC 50-60Hz
Fig. 3



Part No.	Cross Ref. No.	Triad Cross#	Primary			Secondary					Lead Type	Fig.	Dimensions			Wt. (lbs.)	Pricing		
			Color Code			VA	Voltage		Color Code				L"	W"	H"		1	10	100
102163	XFR6102	F314X	Black	Yellow*	Red	7.6	6.3VCT @ 1.2A	White	Black*	White	Wire	2	1.84	2.40	1.67	0.8	\$13.29	\$11.30	\$8.47
105523	XFR0910	N/A	Black	White*	Red	9.0	9VCT @ 1A	Blue	Black*	Blue	Wire	2	1.82	2.43	1.67	0.7	6.99	5.94	4.95
221400	P-8657	F218X	Black	N/A	Black	24.0	12VAC @ 2A	White	N/A	White	Wire	3	1.89	2.75	1.99	1.3	9.95	9.45	5.99
221356	P-8658	F219X	Black	N/A	Black	48.0	12VAC @ 4A	White	N/A	White	Wire	3	2.25	4.00	2.63	2.3	13.95	12.95	10.35
29226	XFR122	F44X	Yellow	N/A	Yellow	25.2	12.6VCT @ 2A	Blue	Red*	Black	Wire	1	2.41	2.79	1.99	1.5	15.79	13.33	10.00
102155	XFR1220	F344X	Black	Yellow*	Red	25.2	12.6VCT @ 2A	White	Black*	White	Wire	2	2.35	2.32	1.97	1.5	13.55	11.59	9.95
149771	XFR1240	F3181U	Black	Red*	Yellow	50.4	12.6VCT @ 4A	White	Black*	White	Wire	2	2.45	3.20	2.25	2.2	16.09	14.52	13.03
102121	XFR124	F181U	Black	N/A	Black	50.4	12.6VCT @ 4A	White	Black*	White	Wire	1	2.45	3.21	2.26	2.7	18.09	16.29	14.65
105532	XFR1810	N/A	Blue	Red*	Black	18.0	18VCT @ 1A	Yellow	Black*	Yellow	Wire	2	2.20	2.81	1.99	1.2	9.29	8.29	6.29
149957	XFR1820	N/A	Black	Red*	Yellow	36.0	18VCT @ 2A	White	Black*	White	Wire	2	2.25	3.15	2.71	1.8	11.25	9.48	8.45
221382	P8396	N/A	Black	N/A	Black	9.6	24VCT @ 0.4A	White	Black*	White	Wire	1	1.63	2.80	1.97	0.6	8.25	7.01	5.26
102112	XFR2410	F346X	Black	Yellow*	Red	24.0	24VCT @ 1A	White	Black*	White	Wire	2	2.41	2.80	1.99	1.5	10.75	9.14	6.86
221373	P-8662	F192X	Black	N/A	Black	48.0	24VCT @ 2A	White	Black*	White	Wire	1	2.44	3.60	2.23	2.3	13.95	11.95	9.95
112513	XFR242N	F229X	Black	N/A	Black	48.0	24VAC @ 2A	White	N/A	White	Wire	3	2.33	3.16	2.28	1.8	13.95	11.86	10.46
221365	P-8663	F193U	N/A	N/A	N/A	96.0	24VCT @ 4A	N/A	N/A	N/A	Lug	1	2.81	2.94	4.00	4.0	20.95	19.72	16.52
221411	P-8666	F226U	N/A	N/A	N/A	288.0	24VCT @ 12A	N/A	N/A	N/A	Lug	1	4.63	3.75	4.63	11.2	39.95	37.95	36.95
99654	XFR242	N/A	Red	N/A	Red	49.2	24.6VCT @ 2A	Blue	Yellow*	Blue	Wire	1	2.44	3.22	2.30	2.5	16.59	14.10	10.58
102104	XFR2520	F341X	Black	White*	Red	50.4	25.2VCT @ 2A	Orange	Black*	Orange	Wire	2	2.45	3.22	2.26	2.8	17.59	15.82	11.86
149797	XFR2820	F3185U	Black	Red*	Yellow	56.0	28VCT @ 2A	White	Black*	White	Wire	2	2.45	3.22	2.26	2.3	13.65	12.35	9.10

† Solder terminals

* Center tap

Triad cross is for reference only

500 to 200VA Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch



121276

Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V (P/N 10401)	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121276	500VA trans.	\$117.95	\$109.95	\$99.95
129008	1000VA trans.	199.95	175.95	120.95
152582	2000VA trans.	245.95	219.95	175.95

Current Sensing Transformer

- Inductance: 5mH • Turns: 60
- Sensitivity current (I_{in}): 1A
- Freq. range: 10-50 kHz
- Sensitivity voltage (V_{out}): 1V
- Terminating resistor: 50Ω
- Max. current: 300mA • Size: 0.7"W x 0.46"D x 0.8"H



QUANTITY
SAVE

Part No.	Cross Ref. No.	1	10	100
164718	MTC30101	\$1.95	\$1.85	\$1.35

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 72
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- Panel mount
- One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149324	320VA variable	\$54.99	\$49.99	\$44.99

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Closed

Open

Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218174	.64" x .20" x 1.15"	\$1.25	\$1.05	\$0.79
217842	.78" x .34" x 1.40"	1.45	1.29	1.15

Square

Part No.	Size (L" x W" x H")	1	10	100
1952901	1.30 x .70 x .77 (black)	\$1.95	\$1.75	\$1.49

550VA Variable AC Transformer

- Input volt.: 110VAC @ 60Hz
- Output volt.: 0-140VAC • Panel mount
- Rated current: 5A • One-year warranty
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H • Weight: 6.8 lbs.



Part No.	Description	1	10	50
152937	550VA variable	\$75.95	\$64.79	\$60.91

* Variable Transformers Online — Enter Web Code **MAR**

Isolation Transformer 120VAC to 120VAC

- 300VA
- Input connector: 5.5' cord with 2-prong plug
- Input voltage: 120VAC @ 60Hz
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.



Part No.	Cross Ref. No.	1	10	100
181315	ITR300	\$49.95	\$46.95	\$44.95

Greater Savings Online

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* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Power Cords

3 LEVELS OF SAVINGS
FRANCHISE SOURCED | GENERIC BRANDS | HOUSE BRANDS | FACTORY OVERRUN



JAMECO ValuePro

2 & 3-Conductor Pigtail, Detachable & Hospital Grade Power Cords

- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C

Part No.	Cross Ref. No.	Mfr.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
									1	10	50	100

2-Conductor Line Cord with Pigtail

124434	ST008	JVP	.16	1	6'	Black	18/2	SPT-2	\$1.99	\$1.60	\$1.44	\$1.32
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2-Conductor "8" Style Power Cords for Laptops and Power Supplies

189587	VW-1	JVP	.30	2A	6'	Black	18/2	SPT-2	\$2.35	\$2.15	\$1.95	\$1.79
355944	VW-1G	JVP	.30	2A	6'	Gray	18/2	SPT-2	1.75	1.59	1.39	1.25

2-Conductor "D" Style Power Cord for Laptops and Power Supplies

200791	LL114039	JVP	.30	2B	6'	Black	18/2	SPT-2	\$1.95	\$1.79	\$1.59	\$1.39
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2-Conductor AC Plug Fan Power Cords

1952572	FACS	JVP	.40	3	6'	Black	18/2	SPT-2	\$2.95	\$2.49	\$2.19	\$1.95
1952581	FAC45	JVP	.40	3	6'	Black	18/2	SPT-2	2.95	2.49	2.19	1.95

3-Conductor Power Cords with Pigtail (290 Plug)

38009	17237	JVP	.31	4	6'	Gray	18/3	SVT	\$3.89	\$3.49	\$2.99	\$2.79
173810	17405	JVP	.14	4	6'	Gray	18/3	SJT	4.39	3.95	3.49	3.19
37997	17236	JVP	.30	4	6'	Black	18/3	SVT	3.69	3.19	2.75	2.49
159410	17405B	JVP	.37	4	6'	Black	18/3	SJT	4.39	3.95	3.49	3.19
38025	17238	JVP	.42	4	8'	Black	18/3	SVT	4.79	4.39	3.75	3.35
1585514	CPB-FL-08	JVP	.56	4	8'	Black	18/3	SVT	4.95	4.59	3.95	3.49
102007	17535B	JVP	.49	4	10'	Black	18/3	SVT	4.95	4.46	3.95	3.49
196286	LL40378	JVP	.80	4	10'	Black	16/3	SJT	5.95	5.49	4.95	4.45
166925	17516	JVP	.41	4	6'7"	Black	14/3	SJT	6.79	6.29	5.79	5.59
100272	17629B	JVP	.88	4	9'	Black	14/3	SJT	5.89	5.30	4.91	4.69

† with crimped terminals (3) †† European standard insulation color code

3-Conductor Detachable Power Cords (Unshielded) 290B/386A

38041	17249	JVP	.37	5	6'	Beige	18/3	SVT	\$2.95	\$2.69	\$2.39	\$1.99
103747	17248	JVP	.34	5	6'	Gray	18/3	SVT	4.95	4.69	3.79	3.19
38050	17250	JVP	.36	5	6'	Black	18/3	SVT	4.85	4.59	3.69	3.09
132118	17500	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.69	3.79	3.19
1585637	171096	JVP	.60	5	8'	Black	18/3	SVT	3.95	3.75	3.49	3.19
171096	17758	JVP	.60	5	8'	Black	18/3	SJT	5.29	4.95	4.65	4.29
117584	17502	JVP	.37	5	8'	Gray	18/3	SVT	4.65	4.29	3.95	3.75
102024	17501V	JVP	.55	5	10'	Black	18/3	SVT	4.75	4.07	3.71	3.35
163361	6952299	JVP	.33	5	14'	Black	18/3	SJT	6.95	6.49	5.95	5.49
1928441	LL61597	JVP	2.0	5	25'	Black	18/3	SVT	6.95	6.25	5.59	4.95
340291	17001A	JVP	.31	5	3'	Black	16/3	SJT	3.95	3.19	2.95	2.75
159361	17602	JVP	.52	5	6'	Black	16/3	SJT	6.49	5.95	5.35	4.95
1537230	LL34877	JVP	.72	5	8'	Black	16/3	SJT	7.95	6.95	5.95	4.95
1943078	E204241-C	JVP	.72	5	6'7"	Black	14/3	SJT	5.95	5.49	4.95	4.49
125541	17504	JVP	.72	5	6'7"	Black	14/3	SJT	6.95	6.49	5.95	5.49

* JVP = Jameco ValuePro | SLA = Sola | † = Manufacturer Varies

Plug Detail – Industry Standard Designations



AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

NEW
MARKED IN PINK



★ Web Code: UBF

Part No.	Cross Ref. No.	Mfr.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
									1	10	50	100

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	\$3.95	\$3.39	\$3.09	\$2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.75	3.39	3.09
1537459	LL6415	JVP	.40	5	9'10"	Beige	18/3	SJT	4.49	3.49	2.95	2.75

3-Conductor Computer Power Supply Extension Cords (150/386A Plugs)

28468	PEC	JVP	.36	6	6'	Black	18/3	SVT	\$3.89	\$3.50	\$3.15	\$2.85
319804	LR94903	JVP	.82	6	6'	Gray	18/3	SVT	3.95	3.49	2.95	1.95
420224	10W1-02212	JVP	.53	6	12'	Black	18/3	SVT	4.95	4.49	3.95	3.59

3-Conductor Right Angle Power Cord with Pigtail (Unshielded) 910 Plug

340056	17537	JVP	.37	7	9'10"	Black	18/3	SJT	\$3.95	\$3.59	\$3.19	\$2.89
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3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

117356	8120-6177	JVP	.41	8	6'	Gray	18/3	SVT	\$3.59	\$3.49	\$3.19	\$2.79
38077	17250R	JVP	.54	8	6'	Black	18/3	SVT	3.59	3.49	3.19	2.79
177384	17507	JVP	.28	8	10'	Black	18/3	SJT	4.95	4.59	4.19	3.69

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

173252	17745	JVP	.16	8	6'7"	Black	18/3	SVT	\$5.49	\$4.94	\$4.39	\$3.95
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3-Conductor Hospital Grade Power Cords (green dot)

132011	17006G	JVP	.82	10	10'	Gray	16/3	SJT	\$8.95	\$8.49	\$7.95	\$6.95
115078	17006	JVP	.84	10	10'	Black	16/3	SJT	8.95	8.49	7.95	6.95
1537563	17510HG	JVP	.82	9	10'	Gray	14/3	SJT	9.95	8.95	7.95	6.95

* Clear plug

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

177448	MPC1	JVP	.16	11	1'	Black	18/3	SVT	\$3.19	\$2.95	\$2.49	\$1.89
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3-Conductor Detachable Power Cord (Power Strip Saver) 290B/386 Plugs

199778	PSS-1	JVP	.16	12	1'	Black	18/3	SVT	\$2.49	\$2.25	\$1.95	\$1.75
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3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

208347	GPR-2006	JVP	.38	13	22'	Black	18/3	SVT	\$6.49	\$5.95	\$5.49	\$4.95
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3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

340566	17268A	JVP	.32	14	4'	Black	18/3	SJT	\$8.95	\$7.95	\$6.95	\$5.95
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3-Conductor "Mickey Mouse" Style Power Supply Cords

1953559	MMFLAT	JVP	.40	15	6'	Black	18/3	SPT-2	\$2.79	\$2.49	\$2.25	\$1.95
1951123	MMPC	JVP	.40	15	6'	Black	18/3	SVT	3.95	3.49	2.95	2.49

* Thermoplastic Cord Jacket Type: SPT-2 (Flat); Junior duty: SVT (Round); Light service: SJT (Round); Junior service

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

JAMECO ValuePro

International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except 1950702: beige
- BSI: British Standard Institution
- Cord type: H05VVH
- Voltage rating: 300V

Part No.	Cross Ref. No.	Country	Agency Approvals	Cord Length	Conductors	Pricing			
						1	10	100	250
117911	PCVDE-6B	Europe	All in Fig. 1	6 ft.	3/0.75mm ²	\$6.49	\$5.79	\$5.52	\$4.65
1950702	BSI1363A	UK	ATSA	6 ft.	3/1.0mm ²	5.95	4.95	3.95	2.95
174633	21071H5182	UK/Ireland	BSI	8 ft.	3/1.0mm ²	8.15	6.81	6.18	5.32



117911/174633 (End 1)



117911 (End 2)



174633 (End 2)

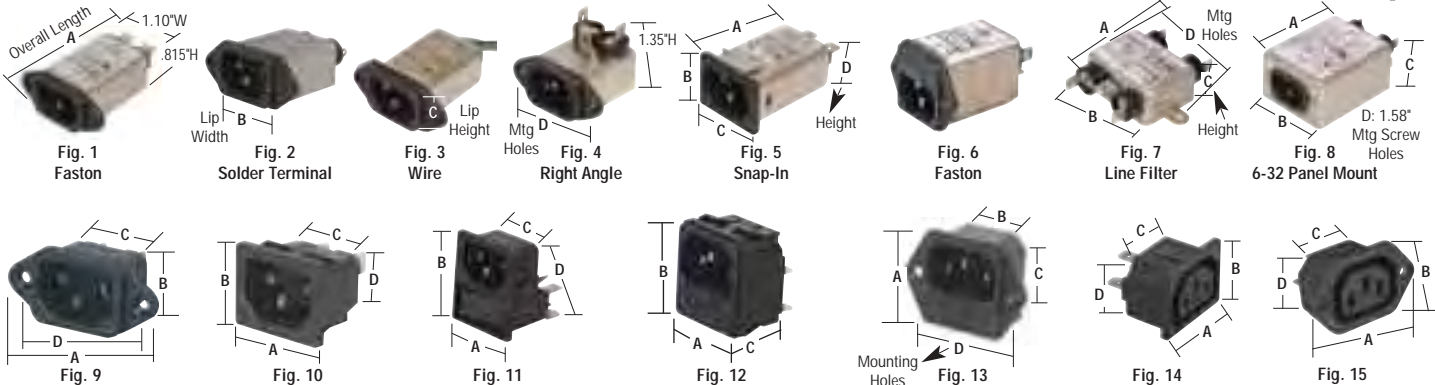
★ Web Code: XAQ

European Agency Approvals

Germany	VDE	CE	France	LCIE	CE
Austria	DVE	CE	Netherlands	KEMA	CE
Belgium	CEBEC	CE	Norway	NEMKO	CE
Denmark	DEMKO	CE	Sweden	SEMKO	CE
Finland	FIMKO	CE	Switzerland	SEV	CE

Fig. 1

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)



- Rated voltage: 115/250VAC
- Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

EMI Power Entry Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

EMI Line Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.25mA;

1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

NEW MARKED IN PINK

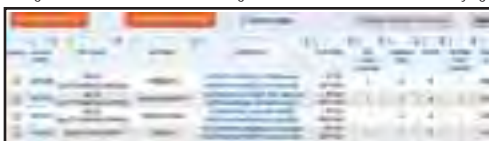
QUANTITY SAVE

★ Web Code: ACR

* Order in multiples of 10

Part No.	Manufacturer	Product No.	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (Inches)				Pricing		
										A	B	C	D	1	10	100
1951511	Delta†	01GEEG3E (1ED1)	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	\$3.95	\$3.59	\$3.19
210913	Delta†	01GEEW3E (1ED8)	Power entry filter, straight (screw flanged)	3	1	2250	4" Wires	Wire	UL/CSA/VDE	1.89	1.19	0.86	1.58	3.95	3.59	3.19
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	3.95	3.59	3.19
1951545	Delta	01DKAG5	Line filter	7	1	2250	Faston	0.25"	UL/CSA/VDE	2.92	1.98	0.87	2.39	3.49	2.95	2.25
667438	JamecoVP	YB03A1 (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.23	1.19	0.89	1.58	4.95	4.46	3.95
150615	JamecoVP	03AC1	Power entry filter, straight (screw flanged)	2	3	2250	Solder	0.16"	UL/CSA/VDE	2.05	1.19	0.89	1.58	4.95	4.49	2.85
1951537	Delta†	03GEEW3E-R (3ED8)	Power entry filter, wire (screw flanged)	3	3	2250	4" Wire	Wire	UL/CSA/VDE	1.90	1.19	0.87	1.58	4.95	4.49	3.95
1951553	Delta†	03GENG3E-R	Power entry filter (snap-in flanged)	5	3	2250	Faston	0.25"	UL/CSA/VDE	2.20	0.95	1.22	0.82	4.95	4.49	3.95
1951561	Delta	03DBGAG5 (3EB1)	Line filter	7	3	2250	Faston	0.25"	UL/CSA/VDE	2.48	1.73	0.76	2.13	4.49	3.95	3.25
1954720	Delta	04BEEG3	Power entry filter, straight (screw flanged)	6	4	2350	Faston	0.25"	UL/CSA/VDE	2.25	1.11	1.21	1.41	5.95	4.95	3.49
1951570	Delta†	05DRDG3S (5ER7)	Power entry filter, 6-32 threaded panel mount	8	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	5.95	5.35	4.79
1951633	JamecoVP†	YB06AIR	Power entry filter, straight (screw flanged)	1	6	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.89	1.58	6.95	6.25	5.59
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	4	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	5.95	5.35	4.79
1951596	Delta†	10GEEG3C	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	6.95	6.25	5.59
1951609	Delta	10ME3(S)	Power entry filter, right angle (PC mount)	4	10	2250	Solder	0.16"	UL/CSA/VDE	1.64	1.19	0.87	1.58	6.95	5.95	4.95
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE*	2.42	1.19	0.87	1.58	7.95	6.95	4.95
165016	OKAYA††	SUP-J15G-E2	Power entry filter, straight (screw flanged)	2	15	††	Solder	0.16"	UL/CSA/VDE*	2.20	1.21	0.89	1.58	5.95	5.35	4.79
16652	JamecoVP	JR101	AC power inlet, male (screw flanged)	9	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.89	.69
147109	Various	42R02	AC power inlet, male (snap-in)	10	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	1.09	.89	.59
184903	PDI	42R363152IOU	AC power inlet, male w/ switch (snap-in)	11	15	250	Faston	0.25"	UL/CSA/VDE	1.30	1.58	1.16	1.41	*	.248	.224
117444	JamecoVP#	0717	Power inlet, male w/ fuse chamber (snap-in)	12	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	1.95	1.79	1.59
265528	JamecoVP#	WS-044	AC power inlet, male w/ fuse chamber (screw)	13	10	250	Faston	0.185"	UL/CSA/VDE	1.28	1.06	1.21	1.40	1.79	1.59	1.39
1954640	Various	K2415	AC Power inlet, female (snap-in)	14	15	250	Faston	0.187"	UL/CSA/VDE	1.38	1.10	1.26	0.98	1.49	1.25	.99
1954658	Various	K2414	AC Power inlet, female (screw flanged)	15	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	1.75	1.49	1.25

† High Performance: Increased filtering; Added bleed resistor; More safety agencies †† Hipot: 2000VRMS # Includes spare fuse holder - fuse type 5mm x 20mm (250V)



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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

3 LEVELS OF SAVINGS
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FACTORY OVERRUN

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Battery Holders, Snaps, Clips & Batteries

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JAMECO ReliaPro

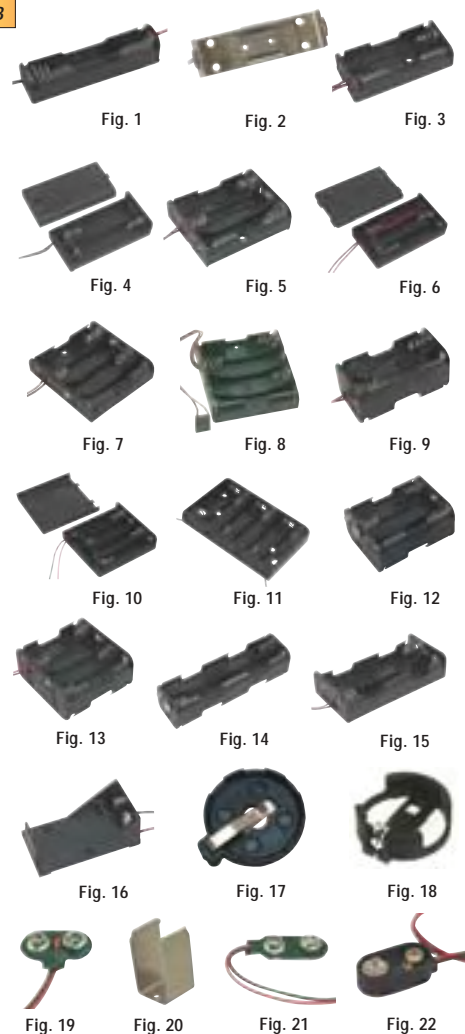
Battery Holders

*Web Code: UAB

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Cross Ref. No.	*Mfr.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216072	BH-311-2A	JRP	1	1-AA	Wires	Single	aluminum	\$1.05	\$.92	\$.83	\$.68
643954	139	KEY	2	1-AA	Wires	Single		.89	.75	.65	.59
216081	BH-321-2A	JRP	3	2-AA	Wires	Single		.74	.66	.53	.39
216099	BH-321-4A	JRP	3	2-AA	Wires	Single	w/ mounting tabs	1.08	.97	.88	.66
216102	SBH-321-2A	JRP	4	2-AA	Wires	Single	w/ cover, no switch	.75	.67	.407	.385
216120	SBH-321-1AS	JRP	4	2-AA	Wires	Single	w/ cover & switch	.89	.79	.71	.60
216136	BH-331-A	JRP	5	3-AA	Wires	Single		.85	.65	.49	.37
216144	SBH-331-AS	JRP	6	3-AA	Wires	Single	w/ cover & switch	.76	.69	.65	.59
216152	BH-341-2A	JRP	7	4-AA	Wires	Single		1.15	1.00	.95	.89
105858	BH-PC	JRP	8	4-AA	Wires	Single	Wires w/ connector	.95	.81	.57	.436
216179	BH-343-1A	JRP	9	4-AA	Wires	Dual		.75	.61	.518	.386
216187	SBH-341-1AS	JRP	10	4-AA	Wires	Single	w/ cover & switch	1.05	.97	.90	.67
216223	BH-364-A	JRP	11	6-AA	Wires	Single		.85	.71	.65	.55
216232	BH-363-B	JRP	12	6-AA	Snaps	Dual		1.08	.91	.87	.68
216240	BH-383-A	JRP	13	8-AA	Wires	Dual		1.09	.99	.89	.67
216267	BH-383-B	JRP	13	8-AA	Snaps	Dual		1.19	.97	.91	.68
216259	BH-382-B	JRP	14	8-AA	Snaps	Dual		1.35	1.20	.96	.72
216283	BH-421-1A	JRP	3	2-AAA	Wires	Single		.57	.49	.43	.32
216303	BH-431-1A	JRP	5	3-AAA	Wires	Single		.92	.69	.64	.48
216339	SBH-441-AS	JRP	10	4-AAA	Wires	Single	w/ cover & switch	1.45	1.29	1.12	.84
216363	BH-242-1A	JRP	15	4-C	Wires	Single		1.39	1.25	1.09	.99
216371	BH-111-1A	JRP	1	1-D	Wires	Single		.69	.63	.58	.468
216390	BH-121-1A	JRP	3	2-D	Wires	Single		1.19	1.06	.95	.79
216401	BH-142-A	JRP	15	4-D	Wires	Single		1.30	1.07	.99	.84
216427	BH-9V-A	JRP	16	1-9V	Wires	Single		.71	.65	.63	.473
11280	A104-R	JRP	19	1-9V	Wires	Single	3"L, 26AWG, snaps	.38	.24	.202	.157
105794	GBH-1009-R	JRP	20	1-9V	Wires	Single	Metal holder	.29	.25	.19	.15
1949488	BAT-SNAP-4	♦	21	1-9V	Wires	Single	4"L, 26AWG, snaps	*	.17	.14	.10
109154	BC6-R	JRP	21	1-9V	Wires	Single	6"L, 26AWG, snaps	.29	.23	.15	.135
216452	SBS-IR-1-R	JRP	22	1-9V	Wires	Single	6"L, 26AWG, snaps	.35	.29	.25	.21
101470	A102-R	JRP	21	1-9V	Wires	Single	10"L, 26AWG, snaps	.30	.23	.21	.158
236996	103	KEY	17	1-CR2032	PC mount	Coin cell		1.35	1.25	.87	.79
355434	17002-00603	JRP	18	1-CR2032	PC mount	Coin cell		.79	.69	.59	.49
38543	2S2325	JRP	17	1-CR2354 or 2- CR2325	PC mount	Coin cell		.89	.75	.54	.46

§ Battery holder used in many personal computers



Eveready® and Duracell® Alkaline Batteries

198731 198791 150965 198707 249181 198715

*Web Code: NBF

Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

Alkaline

Part No.	Size	1	10
198731	9-volt Energizer®	\$2.05	\$1.91
198791	9-volt Duracell®	3.19	2.85
150965	4.5V @ 600mAh Royovac	9.95	8.99

Part No.	Size	Min	1	(39)/40	(99)/100
198707	AA Energizer® †	4	\$.79	\$.65	\$.53
249181	AAA Camelion ††	3	\$.42	\$.41	\$.39
198715	AAA Energizer® †	4	\$.49	\$.46	\$.45

†Sold in Multiple of 4 ††Sold in multiples of 3

Silver Oxide and Zinc Chloride Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



Part No.	Cross Ref.	Description	1	10
140783	357	Silver oxide, button ...	\$1.55	\$1.40
151095	GF6F22	Zinc chloride, 9V	1.35	1.25

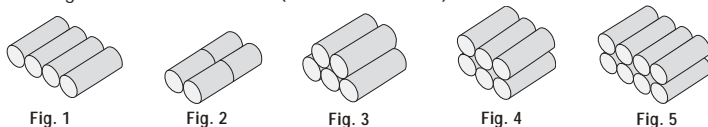
JAMECO ReliaPro

Rechargeable Battery Packs

*Web Code: LAA

- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm)
- SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)
- D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)

JAMECO EXCLUSIVE



Part No.	Fig.	Volt	Size	Type	mAh	Connection	1	10	25
299250	1	4.8	AA	NiMH	1800	Lead wire	\$16.69	\$14.59	\$13.27
298652	1	4.8	SC	NiCd	2200	Solder tab	15.95	14.34	12.91
298724	2	4.8	SC	NiCd	2200	Solder tab	13.65	12.35	11.39
299680	3	6.0	D	NiCd	5000	Lead wire	55.49	47.31	42.68
299305	4	7.2	AA	NiMH	1800	Lead wire	22.09	20.21	19.35
299461	5	9.6	SC	NiCd	2200	Lead wire	32.79	29.61	26.74

* JRP = Jameco ReliaPro | KEY = Keystone | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Lithium, NiCd & NiMH Batteries

Save 10% or more on most batteries!

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10



Fig. 11



Fig. 12



Fig. 13



Fig. 14



Fig. 15



Fig. 16



Fig. 17



Fig. 18



Fig. 19



Fig. 20

Lithium

Part No.	Product No.	*Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
240258	CR123A	JRP	1	A	3	1300	Photo/computer	1.36"L x 0.65"Dia.	\$2.85	\$2.68	\$2.55
33371	TL5101P	TAD	2	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398	TL5104P	TAD	3	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.65	6.24	5.86
146114	TL2100S	+	4	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
673627	NB4414/F9D	PAN	5	Coin cell	2.0	1.0	4.8mm body w/ tabs (2)	0.18"Dia. x 0.06"Thick	.59	.49	.45
1950665	CR2016	+	5	Coin cell	3	90	20mm body w/ tabs (2)	0.80"Dia. x 0.07"Thick	.79	.65	.49
11789	CR2325	+	5	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.79	1.65	1.47
14162	CR2032	+	5	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.12	.94
1585451	DL2032	DRC	5	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.49	1.35	1.19
1954631	BR2330	+	5	Coin cell	3	255	Clock/memory/watch (w/ legs)	0.90"Dia. x 0.14"Thick	1.95	1.79	1.59
689071	DL2450	+	5	Coin cell	3	600	Clock/memory/watch	0.95"Dia. x 0.18"Thick	2.79	2.25	1.95
673635	CA1/2AA	+	8	1/2 AA	3	950	Barrel w/ leads (2)	1.0"L x 0.58"Dia.	1.95	1.75	1.49
126754	TL5101S	TAD	6	Sub-AA	3.6	850	Macintosh*	0.95"L x 0.56"Dia.	4.79	4.49	4.22
240266	ER14250	JRP	7	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.95	3.75	3.49
263898	ER14250	JRP	8	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	4.65	4.37	3.94
240303	ER14505	JRP	9	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.45	5.04	4.90
240160	ER26500	JRP	10	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	10.95	9.95
240151	ER34615	JRP	11	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	14.95	14.49	13.95

NiCd - Rechargeable

Part No.	Product No.	*Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	JRP	12	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	\$1.69	\$1.44	\$1.27
244515	AA-1000-CT	JRP	12	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.79	2.49	2.39
126720	351FT	+	13	N/A	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	4.05	3.65
119116	3/V60R	DAN	13	N/A	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.35	3.29	3.22
101653	NA101-1	+	14	N/A	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.65	5.10	4.58

NiMH - Rechargeable

Part No.	Product No.	*Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244822	AA-1800-CT	JRP	15	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	\$3.55	\$3.18	\$3.02
244620	9V-200	BT	16	9V	9	200	Snaps	1.94"L x 0.65"Dia.	9.35	8.19	7.29
231095	AAA-750NM	DAN	17	AAA	1.2	600	Consumer tip	1.70"L x 0.40"Dia.	4.39	4.04	3.69
231087	AA-1800NM	DAN	18	AA	1.2	1600	Consumer tip	1.90"L x 1.30"Dia.	3.99	3.72	3.54
231124	D-900NM	DAN	19	D	1.2	9000	Consumer tip	2.30"L x 1.30"Dia.	16.59	14.93	13.27
231108	9V-8.4NM	DAN	20	9V	9	150	Snaps	1.04"L x 0.61"Dia. x 1.80"H	10.15	9.64	9.18



300 & 360-Watt Single Output Lead Acid Battery Charger

*Web Code: ABC

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- 1952409/1952417: with built-in passive PFC function
- Overload, short circuit, reverse polarity, over voltage, over temperature protection
- 3-stage charging
- 1952409/1954893: Cooling by free-air convection;
- 1952417/1954308: Fan on/off control (depending on charging current)
- Charger for lead acid batteries
- Size: 9.3"L x 5.3"W x 1.9"H
- Two-year manufacturer's warranty
- Weight: 3.3 lbs



NEW
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Part No.	Mfr. Part No.	Watts	Boost Charge Voltage	Float Charge Voltage	Recommended Battery Capacity (AMP Hours)	Pricing	
						1	10
1952409	PB-300P-12	300	14.4	13.6	80-200	\$129.95	\$119.95
1954893	PB-300N-24	300	28.8	27.2	40-125	129.95	123.95
1952417	PB-360P-12	360	14.4	16.6	80-200	139.95	129.95
1954308	PB-360N-12	360	14.4	13.6	80-200	139.95	129.95

Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.



NiCd/NiMH Charger

Universal battery charger for AAA, AA, C, D and "9V" cells (batteries not included).

*Web Code: PBF

- Recharge batteries singly or as a group
- Built-in IC timer control
- Automatic charging current selection for different sizes of batteries
- Fast charging in the specified period with an automatic switch for trickle charge



Part No.	Mfr. Part No.	1	5	10
231132	CHG-6P	\$19.95	\$17.95	\$15.95

Automatic Battery Charger

- Safely charge and maintain lead acid batteries without supervision
- Safe for gel cell batteries
- Multi-stage charging circuit prevents batteries from overcharging
- Extends battery life
- High frequency MOSFET switching design
- Input voltage: 98 to 132VAC @ 50/60Hz
- Short-circuit, overload, and reverse polarity protection
- Output voltage: 13.5VDC @ 15A
- Analog amp meter
- Output banks: 3



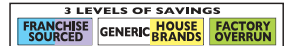
Part No.	Mfr. Part No.	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
673416	SEC-1215A	8.5 x 8.4 x 3.3	4.8	\$146.05	\$138.72	\$131.78

* BT = Bao Tong | DAN = Dantona | DRC = Duracell | JRP = Jameco ReliaPro | PAN = Panasonic | TAD = Tadiran | + Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Lead Acid Batteries, Panel Meters & Solar Panel Modules



Lead Acid Batteries

- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed • UL approved
- Rechargeable
- Two-year warranty



Part No.	Mfr. Part No.	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	\$11.95	\$8.95
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	20.29	18.73
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	15.19	14.47
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	22.95	17.21
318924	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	21.95	20.95
264057	TY-12-7.5	12	7.5	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	19.95	17.95
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	37.05	34.57
264073	TY-12-18	12	18.0	LCR12V17BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	45.95	42.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	74.39	65.48

Panel Meters & Solar Products

0.6" High 3½ & 4½-Digit LCD Digital Panel Meters



- Input ranges: 200mV, 20V, 200V, 500V
- Accuracy: $\pm 0.5\%$
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095, pg 122)
- Automatic polarity indication

- Input impedance: $>100M\Omega$
- Size: 2.7"W x 1.7"H

*Web Code: WBU

Part No.	Cross Ref. No.	Description	1	10	25
108388	PM-428	3½ digit (no bezel, snap mount)	\$13.95	\$12.49	\$10.95
175951	PM-128	3½ digit (bezel, screw mount)	14.95	13.49	11.95
146835	PM-188BL	3½ digit (with backlight display)	19.95	17.95	15.95
123140	PM-328	4½ digit (bezel, screw mount)	24.95	22.49	19.95

Electro Magnetic Counters

- 6 digit (.167"H)
- Flanged face, panel mount
- 2 - 8" 22 AWG leads (VM1) 600V
- Reset button & reset lock
- Size: 1.86"W x 1.03"H
- Count up to 999,999



Part No.	Cross Ref. No.	Input Voltage	Size (L" x Lip W" x Lip H")	1	10
1810064	CNTR6-12VDC	12VDC	2.88" x 2.84" x 1.21"	\$15.95	\$14.49
1810056	CNTR6-120VAC	120VAC	2.45" x 1.83" x 0.95"	15.95	14.49

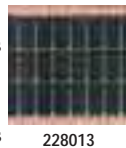
PowerFilm.

Wireless Electronics Series

The wireless Eletronics Series offers a new opportunity to solve the old problem with limited power for wireless electronics in portable and remote applications. This module is lightweight, paper thin and durable.

WeatherPro Series

The Right choice for permanent outdoor applications that are directly exposed to the elements. These modules features rugged construction, a UV-stabilized surface, an extra edge seal for weather protection, and tin-coated copper leads that extend from the module.



Flexible Thin Film Solar Modules

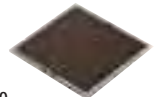
Part No.	Mfr. P/N	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Price		
				Inches	mm	1	10	100
227985	SP3-37	3.0	22	2.5 x 1.5 x .01	64 x 37 x 0.2	\$3.89	\$3.69	\$3.50
227993	TX3-25	3.0	25	4.5 x 1.0 x .01	114 x 25 x 0.2	2.89	2.45	1.99
171061	MP3-37	3.0	50	4.5 x 1.5 x .01	114 x 37 x 0.2	5.89	5.29	4.95
228013	MPT3.6-75	3.6	50	2.9 x 3.0 x .01	74 x 75 x 0.2	8.89	7.99	7.19
228072	MPT6-150	6.0	100	4.5 x 5.9 x .01	114 x 150 x 0.2	26.15	23.35	21.05
228110	MPT15-150	15.4	100	10 x 5.9 x .02	253 x 150 x 0.6	44.89	42.99	39.99

Part No.	Mfr. P/N	Operating Voltage	Operating Current (mA)	Size (L x W x T)		Price		
				Inches	mm	1	10	100
228161	P7.2-75	7.2	100	10.3 x 3.9 x .04	270 x 100 x 1.1	\$39.89	\$33.91	\$25.43
228195	PT15-150	15.4	100	10.3 x 6.9 x .04	270 x 175 x 1.1	59.89	51.40	38.55
228208	PT15-300	15.4	200	10.3 x 12.8 x .04	270 x 325 x 1.1	104.89	99.75	94.49

60mm Solar Panel

- Clear coat plastic
- Voltage output: 4.7VDC to 5VDC
- Power output: 0.25W max. • Size: 2.36"L x 2.36"W x 0.1"thick
- Material: Copper Indium Diselenide

Photovoltaic Mini Module



Part No.	Description	1	10	25	100
1928142	Solar panel	\$7.95	\$6.95	\$6.25	\$4.95

*Web Code: AEK

NEW MARKED BY PINK

*Web Code: OEM

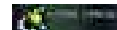
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*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

• For serial and parallel LCD display detailed specification sheets, please visit www.Jameco.com. • One year warranty

★ Web Code: QAW



NEW
MARKED IN PINK

Serial LCD Displays

Scott Edwards Electronics, Inc.



150990



157323



281391



210761



658953

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Serial Input (bps)	Input Voltage	Letters-Backlight	Notes *	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
150990	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Black-Yellow/Green	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	\$48.95	\$44.09	\$40.25
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V-5.5V @ 3mA	Black-None	1,2,11	3.1 x 1.4 x 0.7	2.8 x 1.0	59.95	53.99	48.99
158166	Scott Edwards	SGX-120L	20 x 4 w/ graphics	2400 or 9600	4.8V-5.5V @ 15mA	Yellow	1,2,5	3.1 x 1.9 x 0.8	2.6 x 1.1	122.35	116.25	109.95
174166	Matrix Orbital	LK162-12	16 x 2	1200 - 19,200	5.0V @ 9mA	Black-Yellow/Green	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	49.59	48.99	48.49
150957	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	59.95	59.45	59.00
157323	Matrix Orbital	LK204-25	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Black-Yellow/Green	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	68.99	66.99	65.59
694170	Matrix Orbital	LK204-25-IY	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Yellow-Black	1,7,10,13	3.9 x 2.4 x 1.2	3.0 x 1.0	68.99	64.49	58.63
694188	Matrix Orbital	LK204-25-WB	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	White-Blue	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	68.99	66.56	60.51
281391	Matrix Orbital	GLK12232-25-SM	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Blue-White	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	74.39	73.39	69.31
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Black-White	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	82.35	82.08	81.80
174182	Matrix Orbital	GLC24064	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Black-Yellow/Green	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	166.15	162.02	151.19
694372	Matrix Orbital	GLK24064-25-GW	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Green-White	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	169.45	161.85	154.20

- * 1. For a power supply, Jameco recommends P/N 164101, pg 115
2. Includes instruction codes for character generation, cursor control, printing, etc.
(Examples for Stamps in PBASIC included)
3. Manual included
4. Connect 16 modules using the same two wire interface
5. EEPROM stores text font, settings, and text screen
6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature
7. Connect 127 modules on the same 2-wire interface

8. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface
10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs
11. LCD Serial Backpack* accepts RS232, CMOS or TTL signal
12. Grey text/white background
13. Inverse yellow
14. White text/blue background

NEW
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Parallel LCD Displays

★ Web Code: GCG

90-day Jameco Warranty

Part No.	Manufacturer	Mfr. Part No.	Characters x Lines	Character Font	Input Data	Input Voltage	Letters-Backlight	Notes †	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
											1	10	25
2076711	Varitronix	MDLS16166D	16 x 1	5 x 8	8-bit	5.0V @ 0.6mA	Black-Yellow/Green	2,3	3.1 x 1.4 x 0.4	2.5 x 0.5	\$9.95	\$8.95	\$7.95
1939571	Hitachi	LM071L	16 x 2	5 x 7	8-bit	5.0V @ 1.0mA	Black-None	N/A	3.1 x 1.4 x 0.4	2.5 x 0.5	9.95	7.95	6.95
618003	Hantronic	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	Black-None	N/A	3.2 x 1.4 x 0.3	2.5 x 0.5	10.95	8.95	6.95
658988	Hantronic	HDM716216L-7-8C0	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Black-Yellow	3	4.8 x 1.7 x 0.6	3.9 x 0.9	12.95	10.95	8.95
658890	Hantronic	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	3.3 x 1.7 x 0.4	2.4 x 0.6	14.95	13.49	11.95
658881	Hantronic	HDM716216H-4-HOAF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	4.8 x 1.7 x 0.4	3.9 x 0.9	15.95	13.95	11.95
171716	Ampire	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Black-Yellow/Green	2, 3	3.4 x 1.2 x 0.5	2.5 x 0.7	19.95	17.95	15.95
1954666	Tinsharp	TC1602Y-G	16 x 2	5 x 8	8-bit	5.0V @ 0.55mA	Black-Yellow/Green	N/A	3.1 x 1.4 x 0.4	2.5 x 0.4	12.95	11.49	9.95
1946068	Goldentek	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0V @ 1.0mA	Black-Yellow/Green	N/A	2.8 x 1.4 x 0.4	2.6 x 0.6	12.95	10.95	7.95
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	Black-Blue	N/A	3.1 x 1.4 x 0.4	2.5 x 0.4	17.95	15.95	13.95
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	White-Black	N/A	3.1 x 1.4 x 0.4	2.5 x 0.4	14.95	13.49	11.95
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Black-Yellow/Green	N/A	3.3 x 1.2 x 0.5	2.4 x 0.63	13.95	12.49	10.95
210761	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	Black-None	1, 3	3.4 x 2.4 x 0.3	2.4 x 1.0	24.95	22.49	19.95
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	Black Grey-None	5	7.2 x 1.6 x 0.4	6.5 x 1.3	12.95	11.49	9.95
658902	Hantronic	HDM20216H-3+001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	4.6 x 1.5 x 0.4	3.3 x 0.7	12.95	11.49	9.95
171724	Ampire	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Black-Yellow/Green	2, 3	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
1946050	Goldentek	GM-C2004A	20 x 4	5 x 8	8-bit	5.0V @ 1.5mA	Blue-Grey	N/A	3.8 x 2.7 x 0.3	3.0 x 1.0	14.95	13.49	11.95
658911	Hantronic	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Black-Yellow/Green	3	4.6 x 1.4 x 0.6	2.4 x 0.6	16.95	14.95	12.95
320101	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-None	3	4.6 x 1.4 x 0.4	3.7 x 0.7	9.95	8.95	7.95
320039	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-None	3	7.2 x 1.2 x 0.3	6.0 x 0.6	12.95	11.49	9.95
658831	Hantronic	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	14.95	12.95	10.95
658929	Hantronic	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	12.95	11.49	9.95
658937	Hantronic	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-Yellow/Green	3	7.2 x 1.3 x 0.6	6.1 x 0.6	19.95	17.95	15.95
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	Black-None	N/A	7.5 x 2.1 x 0.4	5.5 x 0.9	22.95	19.95	16.95
658953	Hantronic	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Black-None	4	3.0 x 2.1 x 0.4	2.4 x 1.3	19.95	17.95	15.95

†1. Control LSI HD44780 & column driver MSM5259 or equivalents; 2. Controller KS0066U or equivalent; 3. Recommend power supply P/N 164101, pg 115; 4. Dot Graphic LCD display; 5. Dot graphic LCD display

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)



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PC Power Supplies & Power Protection

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC BRANDS
HOUSE BRANDS
FACTORY OVERRUN

150 to 500-Watt PC Power Supplies

*Web Code: HCA



ATX Power Supplies

* See photo above Blue Part No. = Limited Quantity Available

Part No.	Mfr.	Mfr. Part No.	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	10	25
422094	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	\$119.95	\$109.95	\$99.95
421981	Seasonic	SS-401HT Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	4.0	79.95	71.95	64.95
673379	Seasonic	SS-401HT-F3BLB	400	+3.3/30, +5/30, +12/14, +12/25, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	69.95	62.95	57.95
308814	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	49.95	44.95	39.95
1810144	LC Power	LC350U*	350	+3.3/16, +5/30, +12/15, -5/0.5, -12/0.8, +5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/TUV/CE	5.9 x 5.6 x 3.4	2.3	24.95	22.49	19.95
427928	Seasonic	SS-300SFD Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	56.95	53.95	48.95
1810136	FSP	FSP300-601U*	300	+3.3/20, +5/25, +12/16, -5/0.3, -12/0.8, 5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/VDE/CE	8.3 x 4.0 x 1.6	3.3	29.95	26.95	23.95
2077482	EMACS	APS-5300F-RV2	300	+3.3/28, +5/30, +12/10, +5/0.85, -5/1, -12/1	115-230 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 120)	UL/CSA/CE/TUV	6.0 x 5.5 x 3.4	3.3	24.95	22.49	19.95
1537310	FSP	FSP-300-60ATV*★	300	+3.3/28, +5/30, +12/15, +5VSB/2, -5/0.3, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CSA/TUV	6.0 x 5.6 x 3.5	4.0	26.95	23.95	19.95
319994	3Y Power Technology	AP-1250-1112*	250	+3.3/20, +5/25, +12/12, -5VSB/3, -5/5, -12/0.5	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	29.95	26.95	23.95
421657	Powertronic	PK-6180DT3	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/0.5, -12/0.8	115/230 @ 47-63 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV	6.0 x 5.6 x 3.5	3.3	19.95	17.95	15.95
196189	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	29.95	26.95	23.95

AT Power Supplies

1537424	FSP	SPI-250G*	250	+5/26, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.1	\$29.95	\$26.95	\$23.95
692414	Autec	PCB-5300-2000	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 120)	UL/CSA/TUV	6.0 x 5.6 x 3.4	3.0	29.95	26.95	23.95

*Computer Switch Boxes Available Online — Enter Web Code CAK

TRIPP-LITE

4 & 8 Outlet Surge Protectors

Isobar Premium Surge Protectors

*Web Code: CAC

- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4-outlet protectors: 6' cord; 8-outlet protectors: 6' & 12' cord
- UL 1449 and 1283 listed • Lifetime warranty

Part No.	Mfr. P/N	Joules	Description	Wt. (lbs.)	1	10
18981	ISOBAR 4	2200	4 outlet, 2 isolated filters (6')	2.4	\$49.95	\$44.34
19001	ISOBAR 8U	2350	8 outlet, 4 isolated filters (12')	3.5	76.89	70.11

Super 7 Standard Surge Protector

- \$75,000 Ultimate Lifetime Insurance • Up to 42,000 amp spikes
- Effective spike and noise suppression w/ diagnostic LEDs

Part No.	Mfr. P/N	Joules	Description	Wt. (lbs.)	1	10
124337	Super 7	2350	7 outlet	1.6	\$19.95	\$17.95

Legacy Intel® Celeron 800 Desktop Processor

Part No.	Description	Speed (MHz)	Package	1	10
311204	Intel Celeron® 800 processor ★	800	FCPGA-370	\$34.95	\$29.95

★ Pull = Extra Savings

ATX Vertical Full Tower Case

- Slide-off side panel access • Internal 8Ω speaker
- LED indicators for power and HDD activity
- Front panel reset switch and power switch • Weight: 25 lbs.
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays

Part No.	Description	Size (WxDxH)	Price
292066	ATX full tower	7.5" x 16.8" x 24.5"	\$29.95

6 & 8-Outlet Surge Protectors

20175: 6-outlet

- 3-prong, 4' cord • Metal power strip
- Size: 12.3"L x 2.4"W x 1.3"H

*Web Code: XAR

216485: 6-outlet

- Heavy-duty power cord (14AWG x 3)
- Clamping voltage: 400V
- Max. surge volt.: 6500V
- RESET/OFF switch with built-in 15A circuit breaker

2075647: 6-outlet

- Cord length: 6'
- Rating: 15A/125VAC/1875W
- Clamping voltage: 330V
- Expands from 13" to 18" to fit bulky adapters; each segment expands separately

2079411: 8-outlet

- Cord length: 6'
- Lifetime warranty \$250,000 connected equipment

Part No.	Product No.	Mfr.	Spike Current (Max.)	Wt. (lbs.)	1	10	100
20175	51W1-13206	ValuePro	4500A, 50 joules	1.5	\$11.85	\$11.14	\$10.58
216485	51W1-10206	ValuePro	4500A, 150 joules	0.9	6.95	6.25	5.59
2075647	SS1650W-06	Ideative	144,000A, 2160 joules	1.6	29.75	27.89	25.95
2079411	F9M800	Belkin	135,000A, 2655 joules	2.8	49.95	44.95	39.95

CPU Heat Sinks with Fan

*Web Code: MBG

Part No.	Description	Size (H" x W" x D")	QUANTITY SAVE	1	10
684748	Heat sink w/ fan socket 7 Pentium	1.02 x 2.60 x 2.30		\$5.95	\$4.95
319185	Heat sink w/ fan socket 7 Pentium/PIII	1.40 x 2.62 x 2.30		6.95	5.95
645482	Heat sink w/ fan socket 370 PIII	1.30 x 2.05 x 1.97		11.95	10.95
190545	Heat sink w/ fan socket 370 PIII	2.00 x 2.32 x 2.37		12.95	11.95
206244	Heat sink w/ dual fan SECC II Pentium	1.24 x 1.96 x 5.25		10.95	9.95

*Video Text Modules Available Online — Enter Web Code RAJ

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Legacy 3.5" Hard Disk Drives *

★ Web Code: SAW

Part No.	Capacity	Description	Warranty	QUANTITY SAVE	1	10
151036	3.2GB★	EIDE/Ultra DMA33	1 year		\$35.95	\$26.95
151044	4.3GB★	EIDE/Ultra DMA33	1 year		49.95	44.95
146333	2.5GB★	EIDE/FAST ATA-2	1 year		29.95	26.95
124978	1.27GB★	IDE	1 year		30.25	27.22

* Capacity may exceed specification ★ Pull = Extra Savings

3.5" Hard Drive Bracket Short

Part No.	Description	Color	Price
1950745	3.5" hard drive bracket	Silver	\$5.95

★ Mounting Kits Available Online — Enter Web Code SDW

1.44MB 3.5" Internal Floppy Disk Drives

★ Web Code: LAQ

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H • Weight: 1.4 lbs.



Part No.	Manufacturer	Mfr. Part No.	Color	1	10
115490	TEAC	FD235	Beige	\$24.95	\$21.95
453683	Sony	MFB820	Black	24.95	21.95
249367	Sony	MPF920-Z	Beige	17.95	15.95
661108	Mitsumi	D359M3D	Black	14.95	12.95

CD-ROM Audio Cable

Part No.	Connection from Sound Blaster to	Length	1	10	50
168613	Universal	18"	\$4.95	\$4.21	\$3.71



Interface & Graphic Cards



Serial Interface Cards

★ Web Code: VBB

Part No.	Mfr. P/N	Prod No.	Bus Type	Ports	Connectors	Product Description	1	10
172006	Dolphin	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	\$48.45	\$43.65
171548	Various	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	97.46
171661	Various	99469	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	190.69	143.02
344903	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.99	26.49

Parallel Interface Card

171927	Dolphin	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	\$41.95	\$37.95
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Network Interface Card

★ Pull = Extra Savings

308769	3-COM	3C509B-TPO★	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	\$19.95	\$17.95
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Video Graphics Card

364111	ATI	109-54100-00	PCI	2	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows® 98 and NT4.0 compatible.	\$29.95	\$24.95
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Ultra SCSI 2 Card

191513	Adaptec	AHA-2940U2B	PCI	2	68-pin F Ultra II SCSI	AIC-7890AB chipset, Windows® 95/NT, Netwear, OS/2 compatible, internal/external Ultra II SCSI 68-pin connectors	\$59.95	\$53.95
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NEW
MARKED IN PINK

Keyboards & Key pads



Part No.	Mfr. P/N	Product No.	Interface	Description	★ Web Code: LBU	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
311183	OKI	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse		12.6 x 6.2 x 1.0	5.0	\$34.95	\$29.95	\$24.95
211756	Glide Point	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible		11.4 x 8.5 x 1.2	2.3	29.95	24.95	19.95
639550	IOne	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)		15.9 x 6.5 x 1.3	2.1	43.95	38.95	35.95
681230	NMB	RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/ built-in speakers		18.5 x 10.0 x 3.2	2.5	14.95	13.49	11.95
2006422	IOne	GE-N1	USB	120-key wireless tactile keyboard (16 multimedia key) w/ 3-button mouse		15.9 x 5.8 x 1.1	2.7	27.45	26.99	25.99
2006431	IOne	GE-N2AM	USB	120-key wireless tactile keyboard (16 multimedia key) w/ 3-button mouse (aluminum)		16.0 x 5.8 x 1.0	2.5	39.89	37.99	35.95
1537109	Arctic	25551	USB	18-key tactile keypad		4.3 x 3.0 x 0.5	0.2	14.95	13.49	11.95
265375	IOne	Scorpius-22RB	Serial	22-key tactile keypad w/ 2-key rollover and auto repeat function		6.2 x 4.2 x 1.3	0.8	39.95	35.95	32.49



Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Mice & Mouse Pads

NEW
MARKED IN PINK

* Web Code: MCM



Part No.	Manufacturer	Product No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	Dell	OW7751	Mech. Ball	USB	3-button with scroll; black	4.8 x 2.5 x 1.5	\$8.95	\$7.95	\$6.95
687746	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter; black	4.6 x 2.6 x 1.5	19.95	17.95	14.95
305082	IOne	Libra-90	Trackball	PS/2	PS/2 trackball with USB adapter	5.6 x 4.7 x 1.9	29.95	26.95	24.95
1586103	A4TECH	MOP-57	Optical	USB	3-button with scroll; silver	3.5 x 1.8 x 1.3	13.95	12.49	10.95
2006650	IOne	MSM9UP-BLK	Optical	USB-PS/2	3-button with scroll; black	4.5 x 2.3 x 1.5	9.75	8.95	7.95
2006668	IOne	MSM9UP-WHT	Optical	USB-PS/2	3-button with scroll; white	4.5 x 2.3 x 1.5	9.75	8.95	7.95
121363	—	KP-01	Mouse pad	—	Mini mouse pad (blue)	7.0 x 5.5 x 1.0	.99	.75	.59
1951001	—	MP-ATT	Mouse pad	—	Mouse pad (2" x 3.5"; 2.75" x 5" window slots)	9.5 x 7.5 x 1.2	4.95	4.49	3.95

USB 2.0 4-Port Hubs

Add multiple high performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specifications. Fully backwards compatible with USB 1.1 devices.

- Plug-and-play
- Overcurrent detection & protection
- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- 1 upstream & 4 downstream ports
- Connects up to 127 USB devices
- Supports Windows® 98SE/ME/2000/Server 2003/XP/Vista; MAC® OS 8.6 or higher

1944687/1944679:

- Bus-power & self-power mode used
- Automatic connection & speed detection
- 1944695:
- Self-power mode used separate AC adaptor required P/N 252736
- 4 LED indicators for downstream port status

Part No.	Product No.	1	10
1944687	HU2044	\$9.89	\$9.49
1944679	HU2K40	19.95	17.95
1944695	HU2542	19.95	17.95

* More Hubs Available Online — Enter Web Code NEM

7-Port USB 2.0/Firewire Combo Hub

- Supports 100/200/400Mbps
- Compliant with IEEE-1394 and IEEE-1395 and 1394A
- 4 downstream and 1 upstream USB
- 2 downstream and 1 upstream IEEE-1394
- Supports self-powered mode & bus-powered mode

Requirements: IBM compatible Pentium® 233 or faster, MAC PC's, 64MB RAM or more, PC or MAC with 2.0 host available, Windows® 98SE/ME/2000/XP/Vista or MAC OS 10.1 or higher

Part No.	Product No.	1	10
2075823	HC3071	\$48.95	\$46.99

USB 2.0 Docking Station

- Connects via USB-A port to your laptop

System Requirements: PC with 75MHz min.

Pentium® or equivalent; 16MB of RAM min., available USB-A port, Windows® 98 or later

Part No.	Product No.	Size (WxDxH)	1	10
527822	USB 2.0 dock	4.8"x2.5"x1.0"	\$14.95	\$12.95

USB 2.0 Display Adapter

- Add-on monitor, LCD or projector through a single USB 2.0 port
- Supports up to 2 USB display adapters to work simultaneously
- Hot-plug, add or remove monitor w/o system reboot
- Windows® VISTA compatible
- Plug-and-play
- Resume from hibernation and suspend modes

Part No.	Product No.	1	10
1944708	AN2420	\$99.95	\$89.95

USB 2.0 Multi-Plus Card Reader/Writer

- Transfer rate of up to 480Mb/sec.
- Allows data exchange in different slots
- 4 slots support compact flash, IBM Microdrive, SmartMedia, memory stick, SD and MMC devices

Part No.	Product No.	1	10
1944716	RU2340	\$15.95	\$13.95

USB 2.0 to SATA/IDE Combo Adapter

Keep the existing IDE drive while at the same time migrating to the new SATA technology, which provides a transfer rate of up to 150Mbps. Any SATA or IDE drives can be turned into an external USB 2.0 storage device.

- SATA 1.0a and USB 2.0 compliant
- Dual-headed IDE connector (4- and 44-pin) plus one SATA connector that supports 2.5"/3.5"/5.5"
- Operates one IDE and one SATA HDD simultaneously
- External power supply provided

Requirements: IBM compatible Pentium® 233MHz, USB, Windows® 98SE/ME/XP, MAC OS 8.6 or later

Part No.	Product No.	Price
2075815	AS1200	\$49.95

USB 2.0 2-Port Manual Share Switch

- USB 2.0 compliant
 - 2 channel switch (2 USB-B ports, 1 USB-A port)
 - Switch between computers by using port select button or hot key
 - Supports 2 computers sharing 1 USB device
 - Provides bus-power of 500mA per port
- Requirements:** IBM compatible PC with Windows® 98SE/ME/2000/XP or MAC OS 9.0 or higher, USB port

Part No.	Product No.	Price
2075831	SS2115	\$13.99

HDMI Switch

This HDMI switch allows HDMI sources, such as DVD players, DTV set-up box, game station, or HDMI computers to share a single high definition display.

- Supported resolutions: 480/720/1080 i/p
- Power supply: input: 100-240VAC; output: 5V @ 1A
- Signal equalizer and pre-emphasized outputs, ideal for systems with long cable runs up to 20 meters

Includes: Power supply, remote, battery and installation guide

Part No.	Product No.	Inputs	1	10
2006684	VS4030	Version 1.3	3 ... \$79.95	\$74.95

Serial ATA to IDE Converter

This serial ATA to IDE converter allows standard parallel ATA hard disk drives, CD-ROM, CD-RW, DVD-ROM, DVD + RW, to be used with serial ATA PCI cards or motherboards with serial ATA ports and meet the specification of serial ATA 1.0 interface.

- Compliance with Serial ATA Gen. 1.0
- Master/slave device emulation support
- Supports PIO mode 0 ~ 4, Ultra DMA mode 0 ~ 7, UDMA transfer rates of up to 150Mbps, ATAPI command set and 48-bit LBA addressing

Requirements: PC with available Ultra ATA hard disk (IDE) and available Serial ATA host port

Part No.	Product No.	1	10
1944661	AD3300	\$23.95	\$21.95

USB 2.0 Ethernet Adapter

A high performance, highly integrated USB 2.0 bus Ethernet controller with embedded 7k x 16 bit SRAM.

- USB 2.0 and 1.1 compliant
- IEEE802.3 (10Base-T) & 802.3u (10Base-TX)
- Supports suspend mode & remote wakeup via link-up
- Supports full-duplex and half-duplex operations

Requirements: IBM compatible Pentium® 233MHz or faster, 64MB or more, USB port available, Windows® XP/2000/Vista 32/64-bit, Mac® OS 10.x

Part No.	Product No.	Size (LxWxH)	1	10
1944513	AE2201	2.8" x 2.0" x 1.0"	\$21.95	\$19.95

* Web Code: SDR

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-485: terminal block and RJ11 connections
- RS-232: DB25 female connector
- Weight: 0.9 lbs.
- Input: 110VAC
- One-year warranty



117701 RS-232-485/422 \$59.69 \$53.51
197931 RS-232-485/422 69.95 52.45
122956 RS-232-485/422 OPT ISO 124.79 93.59

197931: Port powered (power adapter not included)
 Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

Part No.	Description	1	10
117701	RS-232-485/422	\$59.69	\$53.51
197931	RS-232-485/422	69.95	52.45
122956	RS-232-485/422 OPT ISO	124.79	93.59

Bidirectional Non-Buffered Serial-to-Parallel Converter

- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- Stop bits: 1 or 2
- Weight: 0.8 lbs.
- Baud rate: 300 to 38,400bps
- Size: 4.0"L x 2.5"W x 1.0"H
- One-year warranty



Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935	Bi-converter	\$49.95	\$45.95	\$33.95

Bidirectional Serial-to-Parallel Converter

- 115.2kbps, 512kB Buffer
- One DB25 female connector, one Centronics 36-pinmale connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable
- Size: 3.8"L x 2.4"W x 1.0"H
- Stop bits: 1 or 2
- Weight: 0.8 lbs.



Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983	Serial/parallel converter	\$48.49	\$40.75

***Bidirectional Converters Online — Enter Web Code KEM**

Hands-Free Condenser Microphone

- Cord length: 8'
- One-year warranty
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H

***Web Code: GCP**



Part No.	Description	1	10	50
135248	Microphone	\$4.95	\$4.21	\$3.71

Clip-On Lapel Microphone

- For Motorola cell phones and other applications
- 2.5mm male stereo plug
- Includes ear bud

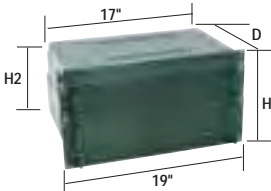
***Web Code: GCP**



Part No.	Cord Length	1	10	50
2078207	3'	\$3.95	\$3.49	\$2.95

19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813



Includes: Mounting screws

Part No.	Dimensions (In.)			Wt. (lbs.)	Pricing	
	H1	H2	D		1	10
132813	1.73	1.25	9.75	6.2	\$43.75	\$34.19
132822	3.46	3.00	9.75	7.9	51.79	46.97
132840	3.46	2.88	11.75	9.1	53.95	48.59
132848	5.22	4.75	11.75	10.6	63.95	47.96
132864	8.56	8.00	13.50	15.4	109.95	82.46

***Rack Mounts Available Online — Enter Web Code GAT**

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (1U) rack space
- PS/2 connector for keyboard and trackball
- Weight: 18 lbs.
- Size: 19.0"W x 13.0"D x 1.75"H



Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644	Rack mount KB drawer	\$249.95	\$217.95

19" Rack Mount Enclosure for 14" Monitor

- Clear glass front panel
- Hinged door for accessing monitor controls
- Color: gray
- Size: 19.0"W x 15.1"D x 14.0"H
- Weight: 30 lbs.

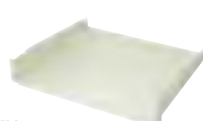


Monitor not included

Part No.	Description	Price
136021	Enclosure for 14" monitor	\$159.95

Cabinet Mounting Plate for 19" Cabinet

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H



Part No.	Description	1	10
149500	Cabinet mount plate	\$39.99	\$35.99

Short Haul Modem

- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)



Part No.	Description	1	10	25
116581	Short haul modem	\$29.95	\$25.46	\$19.49



19" Rackmount Patch Panels

PS5E HD-110 Patch Panel

***Web Code: GBK**

The universal PS5E HD patch panel series includes a variety of product styles, sizes and wiring configurations. PS5E HD patch panels are robust and installer-friendly products by design, combining punch down connectors with standard modular jacks. The PS5E HD patch panels offer category 5E performance.



- Color: black

Part No.	Mfr. Part No.	Description	1	5
701289	AX100452	1U, 24 port	\$118.15	\$107.69

Flex Patch Panels

Flex patch panels provide a flexible and versatile



termination solution for telecommunications room rack-mount installations. The panels can be custom configured in the field to suit practically any particular configuration.

Part No.	Mfr. Part No.	Description	1	10
1939811	AX101456	1U, 24 port	\$32.95	\$31.26
1939837	AX101458	2U, 48 port	53.65	50.89

QuickNetwork Install Can

- Type: Install can for QuickNetwork panels
- Feature: power supply and cover installed
- Size: 24"



Part No.	Mfr. Part No.	1	10
636607	QN24	\$78.49	\$74.79

External 3-Port USB Thumbhub

- USB Revision 1.1 compliant
- LED indicators uplink/down port communication and OCP status
- Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible w/ Windows®98/98SE/2000/ME/MAC OS8.5
- Size: 3.1"L x 0.8"W x 1.2"H

***Web Code: NEM**



Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
208451	3-port thumbhub	\$12.95	\$11.95

CLEARANCE CENTER

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Save up to 50% on over a hundred clearance items by visiting www.Jameco.com/Save.

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

IntelliMover Kit

Easily move email, music, photos, files, folders, settings and more from your old PC to a new PC.

- Transfers data and settings from one product version to another (e.g. Microsoft® Word 97 to Word XP)
- Transfers data & settings across operating systems
- Integrates intelligently on your new PC; there's no over writing of drivers or data files
- "Drag and Drop" individual files and folders between two PC's with the IntelliMover's file transfer utility and either data transfer cable



Part No.	Description	1	10
689910	IntelliMover kit with CD	\$14.95	\$12.95

Outdoor Metal Camera Enclosure

- Plate glass: 3mm thick
- Clear window area: 2.5"W x 2.3"H
- Size: 16.0"L x 4.9"W x 4.9"H
- Max. camera size: 4.0"L x 2.4"W x 2.4"H

*Web Code: LBB



Part No.	Description	Wt. (lbs.)	1	10
170931	Camera housing	2.8	\$29.75	\$28.24

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system w/510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control; high/low switchable auto gain control; on/off backlight compensation
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993, pg 116)

Includes: Power/signal cable & mounting hardware

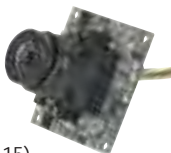


Part No.	Description	1	10
213436	Enclosed color camera	\$188.95	\$174.95

Black & White Camera with Lens

EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996, pg 115)
- Video output: 1Vp-p, composite video 75Ω
- Power consumption: 110mA • FOV: 92°
- Electronic shutter: 1/125,000 sec. (linear)
- S/N ratio: 46dB • Size: 1.3"L x 1.3"W x 1.2"H



Part No.	Description	1	10
171029	Camera board	\$44.95	\$39.95

Mini Wireless Color Camera

This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150' (unobstructed) range and 9-volt battery power.



Part No.	Description	1	10
249025	Wireless color camera	\$59.95	\$49.95

Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- Electronic shutter: 1/120,000 sec.
- 510(H) x 492(V) EIA signal format
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω • Vertical freq.: 60Hz
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable • S/N ratio: 52dB
- Auto-tracing white balance • 2X digital zoom
- Power requirements: 12VDC @ 150mA



Part No.	Description	1	10
395461	Color camera	\$119.95	\$99.95

Color Interline Camera

Water resistant with mounting bracket

- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 5 lux sensitivity • FOV: 530°
- Video output: 1V p-p; 75Ω
- 6mm lens/F2.0 • S/N ratio: 40dB
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply



Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017	Color camera	\$102.95	\$97.76

*Cameras — Enter Web Code MBB

2.4GHz Wireless Audio/Video Transmitter

- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 Watt
- Video input: 1Vp-p
- Audio input: 2Vp-p

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware



Part No.	Description	1	10
289852	Wireless audio/video tran.	\$219.95	\$189.95

2.4GHz Wireless 10mW Transmitter

- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.

Includes: RCA cable, 12VDC @ 500mA adapter, RCA to F connector adapter (receiver unit only)



Part No.	Description	1	10
192858	4-channel transmitter	\$78.75	\$74.77

*Video Accessories — Enter Web Code YBE

5.6" Color TFT Monitor

NTSC Format

*Web Code: VBF

- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Brightness, color and volume adjustments
- Size: 6.1"W x 1.2"D x 4.8"H • Weight: 2.6 lbs.



Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
201702	5.6" TFT color monitor	\$259.95	\$239.95

DigiVue™ Digital Surveillance System

- Input signal: 4 video, 1 audio channel
- Display/record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/continuous/schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/VDROM/CD-RW/DAT/MO/ZIP/RAID
- Supports real time WAN/LAN and internet monitoring via client software, internet explorer



Includes: CD-ROM and drivers

Minimum system requirements: Pentium® 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Blue Part No. = Limited Quantity Available

Part No.	Product No.	1	10
639568	EDV-XV425	\$94.95	\$85.46

DigiVue™ Complete Digital Video Recording Security System

EDV-XV425 Video Capture Card:

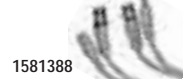
- 60fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-ch video and 1-ch audio
- Supports real time WAN/LAN and internet monitoring



Includes: PCI video capture card, 2 outdoor color day/night cameras, 2 micro dome color cameras, video recording software w/ drivers, four 50' video/power cables and 4 power supplies for the camera

Part No.	Product No.	1	10
639584	EDV-XV425 kit	\$489.95	\$378.47

Cable Assemblies



75Ω RG59/U BNC – BNC

*Web Code: CCA

Part No.	Mfr.	Length	1	10	50	100
262730	JamecoVP	25'	\$9.95	\$8.95	\$8.05	\$7.25
262748	JamecoVP	50'	\$20.49	\$18.42	\$14.74	\$11.05

75Ω BNC – BNC and Jack-to-Jack

Part No.	Mfr.	Length	1	10
1581388	Elyssa	50'	\$24.49	\$18.37
1581409	Elyssa	100'	\$28.59	\$23.33

More Product Information

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EXTECH

400A AC/DC Clamp Meter/Multimeter

- Auto ranging with auto power-off
- 0.9" (23mm) jaw size
- Continuity beeper and diode test
- Overload protection
- Over range and low battery indicators
- One touch "Auto Zero"
- 4000 count LCD display
- Data hold freezes current reading on display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic current accuracy: AC: $\pm 3.0\%$; DC: $\pm 2.5\%$
- Basic voltage accuracy: AC: $\pm 2.0\%$; DC: $\pm 1.5\%$
- **AC/DC current ranges:** 40A–400A; 0.01A max. res.
- **Capacitance ranges:** 40nF–1000 μ F; 0.01nF max. res.
- **DC/AC volt. ranges:** 400mV–600V; 0.1mV max. res.
- **Resistance ranges:** 400 Ω –40M Ω ; 0.1 Ω resolution
- **Duty cycle:** 0.5%–0.99%; 0.1% max. res.
- **Frequency ranges:** 5Hz–150kHz; 0.001Hz max. res.
- **Temperature ranges:** -58° to +1830°F (-50° to +1000°C); 1° max. resolution

Includes: Test leads, case, and 2 AAA batteries

Part No.	Mfr. Part No.	1	5
374070	MA220	\$99.95	\$89.95

EXTECH

1000A Clamp Meter with IR Thermometer

- Non-contact IR temperature measurements with laser pointer
- Peak hold captures inrush current and voltage measurement
- 1.7" (43mm) jaw opening for conductors up to 750MCM
- 4000 count backlit dual display
- Auto ranging with manual range button
- Continuity and diode test
- True RMS
- **IR temperature ranges:** -58°F – 518°F (-50°C – 270°C)
- **AC/DC current ranges:** 0.1A – 1000A
- **AC/DC voltage ranges:** 0.1mV – 600V
- **Resistance ranges:** 0.1 Ω – 40M Ω
- **Capacitance ranges:** 0.001nF – 40,000 μ F
- **Frequency ranges:** 0.001kHz – 4kHz
- **Type K temp. ranges:** -4°F – 1400°F (-20°C – 760°C)
- **Size:** 10.6"L x 4.3"W x 2.0" thick

Includes: Test leads, 9V battery, type K probe, and belt holster

Part No.	Mfr. Part No.	1	5
1585881	EX830	\$209.95	\$199.95

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD • Data hold
- 0.5" digit height
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.

Requires: 9V battery not included (P/N 151095, pg 122)

Includes: Test leads, manual and case

Part No.	Description	1	10
115756	Mini DC/AC clamp meter	\$119.95	\$107.95

ACA*	20A, 200A	$\pm 1.2\% + 5d$
DCA	200A	$\pm 1.2\% + 5d$
ACV*	500V	$\pm 1.0\% + 2d$
DCV	200V	$\pm 0.8\% + 1d$
Resistance	200 Ω	$\pm 1.2\% + 1d$
*Frequency Response	40–400Hz	
Zero Adjust	External knob for DCA	

EXTECH

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C and R with secondary parameter Q, D or R; both are displayed
- Selectable parallel or series equivalent circuit
- Quality (Q) reading: 0 to 9999
- Test frequencies of 120Hz and 1kHz
- **Resistance ranges:** 20 Ω to 10M Ω
- **Inductance ranges:** 2000 μ H to 10,000H
- **Capacitance ranges:** 2000pF to 10mF
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation Factor (D) reading: 0 to 0.9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.

Includes: Test leads, alligator clips, 9V battery & holster
 189238: 9V adapter (sold separately)

Part No.	Description	1	10
198678	LCR Meter	\$170.99	\$162.40
189238	9VDC adapter for 198678	5.35	4.52

EXTECH

Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Over range & low battery indicators
- **Resistance range:** 400 Ω , 4k Ω , 400k Ω , 4M Ω , 40M Ω
- **Capacitance range:** 4nF, 40nF, 400nF, 4 μ F, 40 μ F, 200 μ F
- Size: 7.1"L x 1.4"W x 0.8"D

Part No.	Mfr. Part No.	1	5
1939685	RC100	\$53.89	\$51.29

EXTECH

40,000 Count Heavy Duty Industrial Multimeter

- Double molded for waterproof protection
- 1000V input protection on all functions
- Dual sensitivity frequency functions
- Large backlit LCD with bargraph
- Auto power off with disable feature
- Min/max/relative/data hold functions
- 8 functions w/ continuity and diode testing
- **DC/AC voltage ranges:** 0.1mV to 1000V
- **DC/AC current ranges:** 0.01 μ A to 20A
- **Resistance ranges:** 0.01 Ω to 40M Ω
- **Capacitance ranges:** 0.001nF to 40mF
- **Frequency (electrical) ranges:** 0.01Hz to 400Hz
- **Frequency (electronic) ranges:** 0.001Hz to 100MHz
- **Temperature range:** -50° to 1382°F (-45° to 750°C)
- Size: 7.25"L x 3.25"W x 2.25"D

Includes: Double molded test leads, magnetic hanging strap, Type K bead wire temperature probe, carrying case, and 9V battery

Part No.	Mfr. Part No.	1	5
1939651	EX530	\$209.95	\$199.95

velleman

3-in-1 Multimeter and Cable/Line Tester

Combines the function of a multimeter, phone line tester, and a network cable tester.

- 2000 count LCD display (15mm display size) w/ automatic polarity indication, and white backlight.
- Data hold function
- Continuity and diode test
- **DC voltage ranges:** 0.2 to 1000V
- **AC voltage ranges:** 0.2 to 700V
- **DC current ranges:** 200 μ A to 10A
- **AC current ranges:** 200 μ A to 10A
- Size: 3.3"W x 1.1"D x 7.3"H • Weight: 1.4 lbs.

Includes: 9V battery, test leads, remote box for cable testing, and users manual

Part No.	Mfr. Part No.	1	5
1955984	DVM1000	\$74.59	\$69.99

velleman

3-in-1 Lab Center

Your space-saving lab solution!

Everything you need in one unit.

Digital Multimeter:

- 3-1/2 backlit LCD • Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- Data hold function and buzzer
- **AC voltage ranges:** 200V to 600V
- **DC current ranges:** 200 μ A to 10A
- **Resistance ranges:** 200 Ω to 2M Ω
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch
- LED overload and power indicators

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron • Temp. range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1	\$159.95	\$139.95

20MHz Industrial Scopemeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

✦ **Refurbished** = Backed by Jameco

Part No.	Mfr. Part No.	Price
162747	Fluke 123-003 (w/o software) ✦	\$899.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% \pm 0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A

Part No.	Description	1	10	25
162309	Current shunt ⊕	\$28.19	\$25.49	\$22.55

***Digital Multimeters — Enter Web Code HBK**

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

Order by phone 24/7 at 1-800-831-4242 or online at www.Jameco.com

Sizes shown are for relative comparisons.

Sizes shown are for relative comparisons.



DT830B
• 1999 count
• 4 functions
• Diode & transistor test



P/N 1928476
\$9.95



Mastech M300
• 2000 count
• 6 functions
• Extremely low cost



Pocket Sized

P/N 220812
\$10.59



Velleman DVM850BL
• 2000 count
• 6 functions



P/N 355207
\$18.59



BP-1562
• 2000 count
• 6 functions



P/N 318781
\$10.55



Mastech MAS830L
(220759)
• 2000 count
• 7 functions
• Continuity test



220741

P/N 220759
\$16.95

P/N 220741
\$19.95



Mastech MY64
• 2000 count
• 11 functions
• Temp./frequency



P/N 220775
\$42.69



Velleman DVM890F
• 2000 count
• 11 functions



P/N 645571
\$46.85



Mastech MY68
• 3260 count
• 12 functions
• Autorange
• Analog bargraph



P/N 220767
\$49.49

*Web Code: HBK

Basic Measurement Functions

Test Functions

Special Functions

*Web Code: HBK

QUANTITY SAVE

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test	Autorange	Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")	Jameco Part No.	Pricing	
													°C	°F											1	5
1928476	Vastech DT830B	1999	4	—	200m - 1000	200 - 750	200μ - 10	—	200 - 2M	—		—	—	—	✓			✓					5.0 x 2.7 x 1.0	1928476	\$9.95	\$8.95
220812	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—		—	—	—	✓		✓						4.7 x 2.7 x 0.8	220812	10.59	8.52
355207	Velleman DVM850BL	2000	6	100μV	200m - 100	200 - 600	200μ - 10	—	200 - 2M	—	↔	—	—	—	✓		✓	✓					5.4 x 2.7 x 1.2	355207	18.59	17.64
318781	BenchPro BP-1562	2000	6	100μV	200m - 600	200 - 750	200μ - 10	—	200 - 2M	—		—	—	—	✓		✓	✓					5.4 x 2.7 x 1.2	318781	10.55	9.95
220759	Mastech MAS830L	2000	7	100μV	200m - 600	200 - 600	200μ - 10	—	200 - 2M	—		—	—	—	✓		✓	✓					5.7 x 3.0 x 1.4	220759	16.95	15.95
220741	Mastech MAS838	2000	8	100μV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—		—	-20 to 1000	—	✓		✓	✓					5.7 x 3.0 x 1.4	220741	19.95	15.99
220775	Mastech MY64	2000	11	100μV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20μ		2k - 20k	-20 to 1000	—	✓		✓	✓					7.4 x 3.6 x 1.3	220775	42.69	32.02
645571	Velleman DVM890F	2000	11	100μV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20μ		—	—	-58 to 1832	✓		✓	✓					6.7 x 3.5 x 1.5	645571	46.85	46.51
220767	Mastech MY68	3260	12	100μV	326m - 1000	3.26 - 700	326μ - 10	326μ - 10	326 - 32.6M	326n - 32.6μ		32.6k - 150k	—	—	✓		✓	✓	✓	✓			7.4 x 3.6 x 1.3	220767	49.49	37.12
645626	Extech EX330*	4000	9	100μV	.1m - 1000	.1m - 750	.1μ - 10	.1μ - 10	.1 - 40M	.001n - 200μ	↔	.001 - 10M	-50 to 1000	-58 to 1832	✓		✓		✓				5.7 x 2.9 x 1.6	645626	53.95	49.95
1581177	Extech EX430	4000	9	100μV	.1m - 1000	.1m - 750	.1μ - 20	.1μ - 20	.1 - 40M	.1n - 100μ		.001 - 10	-20 to 750	-4 to 1382	✓		✓		✓		✓		7.4 x 3.2 x 2.0	1581177	83.45	79.75
692502	Extech DM110	4000	10	100μV	0 - 500	0 - 500	0 - .40	0 - .40	400 - 40M	0 - 200μ	↔	9 - 10M	—	—	✓		✓		✓				4.3 x 2.2 x 0.5	692502	34.79	32.45
211650	Extech MN26T	4000	11	100μV	400m - 600	400m - 600	400μ - 10	400μ - 10	400 - 40M	4n - 200μ		10 - 10M	0 to 760	0 to 1400	✓		✓		✓				4.8 x 2.4 x 1.6	211650	39.95	37.95
117373	BenchPro BP-1949	4000	11	100μV	400m - 400	4 - 400	400μ - 10	400μ - 10	400 - 4M	50n - 100μ		5 - 50k	-20 to 1000	-4 to 1532	✓		✓		✓		✓		7.7 x 3.6 x 1.6	117373	89.95	71.90
137462	BenchPro BP-1737	4000	11	100μV	400m - 400	4 - 400	400μ - 10	400μ - 10	400 - 4M	50n - 100μ		5 - 50k	-20 to 1000	-4 to 1832	✓		✓		✓		✓	✓	7.7 x 3.6 x 1.6	137462	135.99	101.99
1537328	Fluke 115†	6000	9	100μV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999μ		99.99 - 50k	—	—	✓		✓		✓	✓		✓	10.9 x 6.3 x 2.2	1537328	163.05	154.91
1537336	Fluke 117*†	6000	9	100μV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999μ		99.99 - 50k	—	—	✓		✓		✓	✓		✓	10.9 x 6.3 x 2.2	1537336	193.69	185.91
192655	Fluke 175	6000	12	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ		99.99 - 99.99k	—	—	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	192655	249.99	242.69
185535	Fluke 179†	6000	13	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	↔	99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓		✓	✓		✓	7.3 x 3.5 x 1.7	185535	260.15	257.75
318764	BenchPro BP-1415	20,000	8	10μV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20μ	↔	20k	—	—	✓		✓		✓			✓	7.4 x 3.6 x 1.2	318764	73.49	55.12
1581214	Protek 6800	80,000	10	1μV	8 - 1000	80m - 750	80m - 10	80m - 10	80 - 80M	1n - 100μ		1K - 8M	-50 to 1372	-58 to 2502	✓		✓		✓	✓	✓	✓	7.5 x 3.5 x 1.5	1581214	190.15	180.61

* with non-contact voltage detector (100-600VAC range)

† with backlight



Extech EX330*
(645626)
• 4000 count
• 9 functions
• Non-contact AC voltage detector



645626

P/N 645626
\$53.95

P/N 1581177
\$83.45



Extech DM110
• 4000 count
• 10 functions
• Autorange



Pocket Sized

P/N 692502
\$34.79



Extech MN26T
• 4000 count
• 11 functions
• Autorange
• Temp./frequency



Pocket Sized

P/N 211650
\$39.95



BP-1949
(117373)
• 4000 count
• 12 functions/RS-232
• Autorange
• Temp./frequency



137462

True RMS

P/N 117373
\$89.95

P/N 137462
\$135.99



Fluke 115
(1537328)
• 6000 count
• Backlit
• True RMS



1537336

True RMS

P/N 1537328
\$163.05

P/N 1537336
\$193.69



Fluke 175
(192655)
• 6000 count
• 12 functions
• Autorange
• Frequency



185535

True RMS

P/N 192655
\$249.99

P/N 185535
\$260.15



BP-1415
• 20,000 count
• 8 functions
• Capacitance



P/N 318764
\$73.49



Protek 6800
• 80,000 count
• 10 functions
• RPM, DBM function
• Square wave generator



True RMS

P/N 1581214
\$190.15

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

2000-Count Multimeters

- Resolution: 100µV max.
- DC voltage ranges: 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.



203801: 3 1/2-Digit - 2A

- DC/AC current ranges: 20µA – 2A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

160830: 3 1/2-Digit - 10A

- DC/AC current ranges: 20µA – 10A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

421542: 3 1/2-Digit - 2A

- DC/AC current ranges: 200µA – 2A
- AC voltage ranges: 200mV – 750V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz – 50kHz

♣ Refurbished = Backed by Jameco

Part No.	Mfr. Part No.	1	5
160830	8010A♣	\$199.95	\$189.95
203801	8012A♣	199.95	189.95
421542	8050A♣	219.95	209.95

Limited Supply
- Great Price!

20MHz Handheld Digital Oscilloscope & Multimeter

- 4-in-1: digital oscilloscope, DMM frequency counter & logic analyzer
 - Oscilloscope:** 2-channel inputs; 5mV-2V/div; DC-20MHz (-3dB); 50ns-0.5µs/div; 20 MS/s sampling rate
 - Logic analyzer:** 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
 - Digital multimeter:** 3%-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40µA-400mA; DC current 400µA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
 - Frequency counter:** 5Hz-20MHz; 5-digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35V_{RMS}/42V-P/60VDC max. input
 - Oscilloscope probes: use P/N 22892 or 216047, pg 135
 - Size: 10.0"L x 5.0"W x 2.0"H
 - Battery required for portable use
 - Weight: 9.2 lbs.
 - One-year warranty
- Includes:** 5VDC @ 3A power supply, power cord, DMM test leads, manual, holster and case



Part No.	Description	1	5
162430	20MHz digital scope	\$649.95	\$617.45

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC_{RMS} max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1µS to 5S
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual ch.; 50MS/s single ch.
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data
- Resolution: 100µV max.
- DC voltage ranges:** 0.001V to 1000V
- AC (TRMS) voltage ranges:** 0.001V to 750V
- Resistance ranges:** 1Ω to 5MΩ
- Frequency ranges:** 0.01Hz to 10MHz
- RPM ranges:** 240 to 60,000 RPMs
- Size: 3.5"W x 1.8"D x 7.7"H



Includes: Test leads, alligator clips, Ni-MH battery pack, AC adapter/charger, RS-232 cable, holster & carrying case

Part No.	Mfr. Part No.	1	5
645651	381295	\$449.95	\$427.45

20MHz Handheld Oscilloscope with Digital Multimeter

- 20MHz analog bandwidth with 2 vertical inputs
- Sensitivity: 5mV to 100V/div (in 1,2,5 sequence)
- 8-bit resolution
- Input impedance: 1MΩ ±1%; 20pF ±1.3pF
- Probe attenuation: x1 and x10
- Horizontal sweep rate: 50ns/div to 50s/div
- Acquisition system: sample, peak detect, envelope, average
- Waveform interpolation: dot, linear, sine, and pulse
- Trigger sensitivity: 0.5V/div (DC to 5MHz)
- Trigger type: edge, pulse width, video
- Coupling: AC/DC, HF-reject, LF-reject, noise reject
- DC voltage range:** 600mV to 1000V
- AC voltage range:** 6V to 600V
- Resistance range:** 600Ω to 60MΩ
- Capacitance range:** 60nF to 300µF
- Diode, continuity, high current and temperature test
- Size: 8.3"H x 4.2"W x 2.2"D



Power requirements: 9VDC @ 1A power supply or 7.2V NiMH battery pack

Includes: Power adapter, manual, scope probe, test leads, holster, USB cable and software

Part No.	Mfr. Part No.	Price
1918999	Protek 820	\$999.95

2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.

velleman



Totally Unique

- High contrast LCD display with backlight, 128 x 64 pixels
- Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC); 200Vp-p (AC only)
- Maximum input amplifier bandwidth: 2MHz
- Input coupling: DC, AC, and GROUND
- Trigger modes: run, normal, roll mode for 1s/div and slower time base
- Vertical resolution: 8-bit
- Signal storage: 256 samples max., 125 samples visible
- dBm measurement: -73dB to 40dB*
- dBV measurement: -75dB to 38dB*
- True RMS measurement: 0.1mV to 80V*
- Peak to peak AC range: 0.1mV to 160V*
- Timebase ranges in 32 steps: 0.2uS to 1 hour/division
- Input sensitivity ranges in 12 steps: 5mV to 20V/division @ x1; 50mV to 200V/division @ x10
- Input voltage: 6VAC or 9VDC @ 300mA
- Size: 6.5"W x 1.4"D x 3.5"H
- Weight: 1.0 lb.

Part No.	Mfr. Part No.	1	5
645280	VPS10	\$204.45	\$199.05

* Increased performance with x10 probe

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz-50MHz
- real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel port interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V AC/DC
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576, pg 116)

velleman



* Web Code: RCG

- Oscilloscope:**
 - Time base: 20ns-100ms per division
 - Input sensitivity: 5mV-15V per division with auto step-function
 - Recording length: 4096 samples per channel

- Spectrum Analyzer:**
 - Frequency range: 0 to 25MHz

- Transient Recorder:**
 - Time scale: 20ms/div-2000s/div
 - Max. recording time: 9.4 hours/screen
 - Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 Test leads, parallel cable and CD-ROM

Part No.	Mfr. Part No.	1	5
200184	PCS500AU	\$478.99	\$429.55

* Oscilloscopes Available Online — Enter Web Code RCG

* Multimeters Available Online — Enter Web Code HBK



Helping You Find What You Need

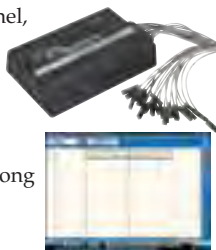
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* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

100MHz Logic Analyzer USB Interface

DigiView™ is a 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.

- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution



Part No.	Description	1	5
256866	USB logic analyzer	\$498.95	\$474.09

Logic Pulser

*Web Code: MAQ

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10μs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train
- Size: 7.8"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
24601	Logic pulser	\$33.55	\$28.53	\$21.40

17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
149930	Logic probe	\$37.55	\$33.85	\$30.35

PROBE MASTER Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'



174473: 7-piece kit
212257: 25-piece kit

Part No.	Mfr. Part No.	1	10
174473	4901-02 (150MHz)	\$44.09	\$41.85
212257	4915A (250MHz)	159.05	151.12

2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz give this unit all the power you need.

Velleman



Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz
- Sampling frequency for repetitive signals: 1GHz

Spectrum analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

*Web Code: RCG

Transient recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Mfr. Part No.	1	5
695017	PCSU1000	\$635.59	\$592.42

Modular Oscilloscope Probes



22892

216047

236777

- Hook and pointed probes
- 216047/236777: with IC test ground cover and spring ground contact
- Maximum input volt.: 600V
- Length: 5'
- Alligator clip ground wire
- BNC male connector

*Web Code: RAC

Part No.	Bandwidth (±3dB)		Impedance (R/C) *	
	Attenuation		Attenuation	
	x1	x10	x1	x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22892	LF101E	\$29.95	\$26.96	\$24.26
216047	HF-9100	34.95	29.95	26.95
236777	HP-9250	45.95	43.39	32.54



20MHz Dual Trace Oscilloscope with Alt-Mag

- 3.15" x 3.94" CRT with internal graticule and scale
- Vertical amplifier: 5mV/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/DIV to 0.5s/DIV in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.5"W x 15.75"D x 5.1"H • Weight: 16 lbs.



Part No.	Mfr. Part No.	1	5
1536801	PROTEK 6020	\$440.05	\$418.02

30MHz Dual Trace Oscilloscope w/ LCR Component Tester

- 3.15" x 3.94" CRT with graticule and scale
- Vertical amplifier: 5mV/DIV to 20V/DIV in 12 steps (1-2-5 sequence)
- Horizontal sweep: 100ns/DIV to 0.2s/DIV in 20 steps (1-2-5 sequence)
- Triggering: external trigger input – 1MΩ ±5% impedance; maximum input voltage – 4-p)
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.2"W x 16.45"D x 5.1"H • Weight: 14.3 lbs.



Part No.	Mfr. Part No.	1	5
1536819	PROTEK 6030	\$531.45	\$483.43

*Oscilloscopes Available Online — Enter Web Code RCG

Pomona 100MHz Probe Set

- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (±3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10–60pF
- 48" cable



Part No.	Mfr. Part No.	1	10
156451	4550B	\$54.89	\$50.89

*More Probes Available Online — Enter Web Code RAC

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
- Horizontal deflection: 0.1μs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC w/ line voltage selector
- ADD function measures sum of two signals
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.

Includes: Two (X1/X10) test probes, power cord & manual

Part No.	Product No.	1	5
685311	SK0200	\$399.95	\$383.09

40MHz Multifunction Oscilloscopes with Built-In 5MHz Function Generator



Oscilloscope:

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

1586200: w/ built-in 60MHz auto-detect counter

Function generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output voltage: 20Vp-p (no load), 10Vp-p (w/ 50Ω load)
- See www.Jameco.com for additional specs.

Part No.	Product No.	1	10
1536886	SK0404	\$540.55	\$509.95
1586200	SK0409	\$821.55	\$738.35

3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges
- Size: 10.5"W x 11.2"D x 3.9"H
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch • Weight: 6.6 lbs.



Part No.	Product No.	1	5
685329	SK3000	\$216.09	\$205.35

*Function Generators — Enter Web Code DEJ

2MHz & 3MHz Function Generators w/ Frequency Counter

Function Generator

- Waveforms: sine, triangle, square, TTL, and CMOS output; 229260 has ramp
- Frequency ranges: 229251: 0.2Hz – 2MHz in 7 ranges; 229260: 0.3Hz – 3MHz in 7 ranges
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load
- Variable DC offset control
- Voltage controlled frequency function

Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs. • Two-year warranty
- 229251: • 4-digit LCD display
- Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz • Size: 9.1"W x 11.0"D x 3.7"H
- 229260: • 6-digit LCD display
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10Hz to 0.1Hz • Size: 9.9"W x 11.5"D x 3.6"H

Includes: Power cord, operations manual and leads

Part No.	Mfr. Part No.	Description	1	5
229251	GFG-8020H	2MHz	\$275.95	\$245.95
229260	GFG-8216A	3MHz	\$299.95	\$269.95

5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.
- Two-year warranty



Part No.	Mfr. Part No.	1	5
160469	BK4011A	\$318.55	\$311.41

velleman

2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range and gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100msec to 10sec
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H
- Weight: 3.5 lbs.

Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	\$169.95	\$157.95

*Frequency Counters — Enter Web Code VCG

JAMECO BenchPro Function Generator Kit

Sine, Triangle and Square Wave

Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.

- 21-piece kit includes: chip, components, PC board, hardware
- Intermediate Level • Size: 4.1"L x 1.5"W

Requires: 12VDC supply or ±6VDC split supply

Part No.	Cross Ref. No.	1	10
20685	JE2206	\$27.95	\$24.95

Our website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

The Best Warranty in the Industry

30-Day Returns >>>

If for any reason you aren't happy with your purchase during the first 30 days from the time of shipment, we'll take it back.

90-Day Returns >>>

We warrant all products we sell against manufacturer defects for a full 90 days from the time of shipment. While our competitors will make you hunt down the contact information for the manufacturer, we'll just repair or replace the product.

One-Year Warranty >>>

All Jameco ReliaPro, Jameco ValuePro and BenchPro products are warranted against defects in material or workmanship for a period of one year from the time of shipment.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Quad Output DC Power Supply

4-in-1 Power Supply

- 4 power supplies built into 1
 - two fully adjustable power supplies combined with two auxiliary outputs
- Two 0 – 30V @ 0 – 5A outputs with selectable constant voltage and constant current modes
- 3 to 6.5V @ 3A fixed; 8 to 15V @ 1A fixed
- Output up to 60V in series mode; 10A in parallel mode
- Overload and short-circuit protection
- Load/line voltage regulation: $<1 \times 10^{-4} + 3\text{mV}$
- Load/line current regulation: $<2 \times 10^{-4} + 3\text{mV}$
- Ripple and noise: $<0.5\text{mV/rms}$
- Input voltage: 100 to 240VAC @ 50/60Hz
- Size: 6.3"H x 10.2"W x 14.5"D • Weight: 26.5 lbs.



EXTECH

Part No.	Mfr. Part No.	1	5
1939618	382270	\$449.95	\$427.45

200W Programmable Switching Power Supplies with PC Interface

- Voltage regulation: 10mV load; $\leq 0.05\%$ line
- Current regulation: 5mA load; $\leq 0.05\%$ line
- Output ON/OFF control
- Ripple: $\leq 20\text{mV}_{\text{RMS}}$; $\leq 10\text{mA}_{\text{RMS}}$
- Overvoltage/overcurrent/overpower/overtemperature protection • Weight: 8.8 lbs.
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H • Two-year warranty



INSTEK

Includes: Power cord, operations manual & test leads

Part No.	Mfr. Part No.	Description	1	5
229323	PSP-2010	0-20V @ 0-10A	\$365.95	\$349.95

900W Output Switching Mode DC Power Supply

Remote Control Operation

- Constant voltage and current with high load/line regulation and low noise/ripple
- Ripple and noise: $<5\text{mVrms}$
- 10-turn potentiometers provide precise output voltage and current control
- Remote sensing for applications that require precise voltage at the point of application
- Overload, overtemperature and short-circuit protection
- Output voltage and current: 1 – 30VDC @ 1 to 30A
- Load voltage/load current regulation: 0.1%/0.2%
- Input power: 100 to 240VAC @ 50-60Hz
- Dual 4-digit LED displays
- Basic accuracy: $\pm 0.5\%$
- Size: 13.4"W x 3.8"H x 9.3"D • Weight: 13.2 lbs.



Part No.	Mfr. Part No.	1	5
1939626	382290	\$798.95	\$755.95

ATX Power Supply Tester

- LED indicators for ATX power supply outputs to indicate pass or fail
- Tests +3.3V, +5V, +12V, +5VSB, -5V, -12V and PG outputs
- 20-pin ATX connector on one side of the tester
- 4-pin HDD connector, floppy drive connector, and P4 connector on the other side of the tester



Part No.	Description	1	10
1928450	ATX power tester	\$16.95	\$14.95



45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 115/230 $\pm 10\%$ VAC



301920



207618



207706



211693

Single Output

Part No.	Mfr. Part No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	\$119.95	\$89.96
301866	HY3003D	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	179.95	134.96
207618	HY3005C	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	169.55	161.07
207626	HY3010C	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	379.95	284.96
207635	HY3010R	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	399.95	329.95
207686	HY3020R	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	559.95	499.95
207694	HY5002R	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	219.95	164.96
207706	HY5003	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	267.45	224.00
207600	HY5005	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	339.95	322.94

Multiple Output

Part No.	Mfr. Part No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211722	HY3002-2R	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$239.95	\$219.95
211705	HY3002D-2	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	275.95	225.95
211693	HY3003D-2R	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	340.99	299.99
211731	HY3003-2R	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	329.95	253.00
211713	HY3003-3	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	239.96
211684	HY3003D-3	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	337.49	299.99
301947	HY3005D-2R	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	399.95	288.68
301955	HY3005D-3R	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	419.95	399.95
301962	HY5003-2	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	254.96



80-Watt Switching Mode DC Power Supply

3-in-1 DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: $\pm 1\%$
- Ripple and noise: $<30\text{mVp-p}$
- Line regulation: $<4\text{mV}$
- Load regulation: $<20\text{mV}$
- Dual 4-digit LED display
- 3 ranges: 0 – 16.4V @ 0-5.1A; 0 – 27.6V @ 0 – 3.1A; 0 – 36.8V @ 0 – 2.3A
- Remote sensing for accurate applied voltage at load point • Front and rear output terminals
- Size: 13"H x 5"W x 2.1"D • Weight: 4.2 lbs.



Part No.	Mfr. Part No.	1	5
1939600	382260	\$259.95	\$239.95



90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ± 1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H

JAMECO EXCLUSIVE



Part No.	Description	1	5
489184	DRP-303D	\$199.95	\$189.95

Analog display power supplies

- Accuracy: 2.5%

Digital display power supplies

- Voltage accuracy: 1% + 2 digits
- Current accuracy: 1.5% + 2 digits

*Web Code: SAX

30 & 54-Watt Digital Benchtop Power Supplies

- Single output
- Adjustable voltage output: 645600 = 0-30V; 681221 = 0-18V
- Adjustable current output: 645600 = 0-1A; 681221 = 0-3A
- Max. display resolution: 0.1V/10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D



EXTECH

Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
645600	382200 (30W)	4.4	\$129.95	\$123.95
681221	382202 (54W)	6.6	138.95	134.95



30-Watt Digital Benchtop Power Supply

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Output terminals
- Input volt.: 85-264VAC @ 47-63Hz
- Large digit backlit display • Fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H • Weight: 1.2 lbs.



Part No.	Mfr. Part No.	1	10
301971	PSU130	\$94.15	\$89.93

*Benchtop Power Supplies — Enter Web Code SAX

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

50VDC @ 3A

- Adjustable voltage/current outputs
- Input voltage: 110VAC @ 60Hz
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- Constant voltage & current operation
- 3A @ 115V fuse
- One-year warranty

Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1	5
163723	50VDC @ 3A	Dark gray	9.0 x 4.75 x 7.5	12.3	\$146.99	\$124.94



100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Constant voltage or current
- Current limiting indicator
- Displays of both voltage and current
- Overload and short-circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H • Weight: 10.0 lbs.

* Web Code: SAX

EXTECH INSTRUMENTS

Part No.	Description	1	5
197991	Digital DC	\$199.95	\$185.95
197982	Analog DC	145.95	135.95



150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage
- Voltage and current panel meter
- Built-in fan
- Constant voltage and current operation

175265: 15VDC @ 10A, 150-Watt

- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Overvoltage, overcurrent, short-circuit protection
- Cigarette lighter plug for current output
- LED indicator for power and warning

175257: 15VDC @ 15A, 225-Watt

- Output current: 25A max. (22A continuous @ 13.8VDC)
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- LED indicator for power and warning
- Overvoltage protection @ 16.5V
- Short-circuit protection @ 27.5A
- Cigarette lighter plug for current output

175249: 50VDC @ 5A, 250-Watt

- 5A @ 250V fuse
- Input voltage: 110VAC @ 50-60Hz
- Isolated ground

* Web Code: SAX

Part No.	Cross Ref. No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	5
175265	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	\$164.95	\$149.95
175257	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	154.99	142.98
175249	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	199.95	189.95

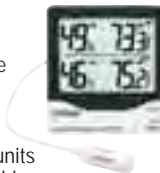


EXTECH INSTRUMENTS

Hygro-Thermometer

Simultaneous display of temperature & humidity

- Attractive design for desktop or wall mounting
- Large LCD display of temperature and humidity
- Max/Min memory w/ reset
- Dual indoor/outdoor displays
- Switchable °C or °F temperature units
- Remote outside sensor on 35" cable
- Humidity range: 0 – 99% RH w/ basic accuracy of ±5%
- Temperature range: 14°F to 140°F (-10°C to 60°C) with basic accuracy of ±1.8°F/1°C



Part No.	Mfr. Part No.	1	5
1939634	445713	\$39.95	\$37.95

EXTECH INSTRUMENTS

Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment.

- Temperature range: -58°F to 518°F (-50°C to 270°C)
- Built-in laser pointer to improve aim
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- F/°C switchable
- Size: 3.8"L x 2.0"W x 0.9"D
- 6:1 field of view
- Data hold/max hold

Best Seller!



Includes: 2 AA batteries

Part No.	Description	1	5
219361	Pocket IR thermometer	\$59.95	\$56.99

* Thermometers— Enter Web Code CEL

EXTECH INSTRUMENTS

Mini IR Thermometer

- Economical mini-size design for convenience
- Field of view: 1:1
- Temperature range: -31°F to 446°F (-35°C to 230°C)
- Maximum resolution: 0.1°F/°C
- Fixed emissivity covers 90% of surface applications
- Size: 3.0"L x 1.6"W x 0.7"D



Part No.	Mfr. Part No.	1	5
1537299	IR100	\$33.95	\$29.95

EXTECH INSTRUMENTS

Combination Tachometer + IR Thermometer

Photo/Contact Tachometer includes a non-contact IR thermometer for surface temperature measurement.

- Built-in IR thermometer with laser measures remote surface temperature
- Temp. ranges: -4°F to 600°F (-20°C to 315°C)
- Fixed 0.95 emissivity, 6:1 distance to target ratio
- Provides wide RPM (photo and contact) and linear surface speed (contact) measurements
- Large 0.4" (99,999 count) LCD display
- Non-contact photo tachometer uses a laser for greater measuring distance up to 6.5ft.
- Characters on display reverse direction depending on mode
- Memory stores min/max/last
- RPM ranges: 10 to 99,999 (photo)/0.5 to 20,000 (contact) with basic accuracy of ±0.5% of reading



Includes: Tips/wheels, four 1.5V AA batteries, reflective tape, and carrying case

Part No.	Mfr. Part No.	1	5
1939731	RPM10	\$308.95	\$293.49

Digital Light Meter

- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs. • One-year warranty



Part No.	Description	1	5
131764	Digital light meter	\$109.95	\$99.95

EXTECH INSTRUMENTS

Digital Psychrometer

- Simultaneous display of % RH, temp. and dew point or wet bulb or probe temp.
- Temp. ranges: (internal) -4°F to 122°F (-20°C to 50°C); (external) -4°F to 158°F (-20°C to 70°C)
- Temp. ranges: -90.4°F to 122°F (-68°C to 49.9°C)
- Wet bulb measurement without slinging
- Calculates T1-T2 differential (air temp. minus external probe temp. using optional probe, P/N 1581151, see web)
- Switchable °F/°C temp. reading
- Size: 7.0"L x 1.9"W x 1.0"D

* Web Code: LBC



Part No.	Mfr. Part No.	1	5
1581142	RH300	\$89.95	\$79.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Mini Thermo-Anemometer

- 0°F to 122°F (-18°C to 50°C)
- Measures wind speed in ft/min., MPH, m/s, km/h, knots and Beaufort force
- Large dual display for air velocity and temperature
- Water resistant housing floats and drop tested to 6'

NEW
MARKED IN PINK



Includes: CR2032 lithium battery and lanyard

Part No.	Mfr. Part No.	1	5
218085	45118	\$99.95	\$92.95

EXTECH Carbon Monoxide (CO) Meter

Air safety checks in industrial environments

- Ergonomic pocket size housing
- One button operation
- Easy to read 1999 count backlit display
- CO level reading range: 0 to 1000ppm with resolution of 1ppm
- Accuracy: 5% or ± 10 ppm
- Audible alarm starting at 35ppm with continuous beeping when above 200ppm • Auto power off
- Max hold and data buttons
- Size: 6.3"H x 2.2"W x 1.6"Thick



Applications: Ambient air safety checks on residential appliances, HVAC service on furnaces and hot water heaters, home inspections, industrial environments where accumulation of CO is possible

Includes: 9V battery, protective rubber holster and carrying case

Part No.	Mfr. Part No.	1	5
1940248	CO10	\$229.95	\$219.95

EXTECH RF EMF Strength Meter

- High frequency measurement for EMF
- For electromagnetic field strength measurement including mobile phones, cell phones, base stations, and microwave leakage
- Non-directional (isotropic) measurement w/ 3-channel (triaxial) measurement probe
- Max. hold and average functions
- Manual store/recall up to 99 sets
- Sensor type: electric field
- Frequency range: 50MHz to 3.5GHz
- Level exceed audible alarm w/ user selectable threshold
- Units of measure: mV/m, V/m, μ A/m, μ W/m², mW/m², W/m², μ W/cm², mW/cm²
- Measuring ranges: 20mV/m to 108V/m; 53 μ A/m to 286.4mA/m; 1 μ W/m² to 30.93W/m²; 0 μ W/cm² to 3.093 μ W/cm²
- Adjustable threshold with On/Off for audible alarm
- Size: 9.3"L x 2.4"W x 2.4"Thick



Part No.	Mfr. Part No.	1	5
1939642	480836	\$229.95	\$219.95

*Environmental Meters — Enter Web Code LBC

Phone Line Tester

- Loop limit: 2k Ω max. @ 48VDC
- DC resistance (talk mode): 300 Ω typical
- Monitor impedance: 39k Ω nominal @ 1kHz
- Monitor amplifier: 9V transistor provides 25 hours continuous use
- Power source: shared line and battery power (9V) • Auto power shut-off
- Size: 10.3"L x 2.8"W x 3.5"H



Part No.	Product No.	Price
673707	MT-8001	\$99.95

EXTECH

Home Inspector Kit

Specifically designed for home inspection professionals – aids in identification of moisture, HVAC, electrical and hot water system issues. This entire kit comes in an attractive storage case that provides protection and organization for the testers whenever they are needed.

Kit includes the following equipment:

MO280 Pinless Moisture Meter

- Select from 10 different wood types
- Displays %moisture from 0 to 9%
- Measurement depth to 0.75" (22mm) below the surface

42500 Mini IR Thermometer

- Ideal for testing HVAC supply and return applications
- Measures from -4°F to 500°F (-20°C to 260°C)
- Built-in laser pointer improves aim and identifies target
- 0.95 fixed emissivity with 6:1 distance to target ratio

ET10 GFCI Receptacle Tester

- Tests for faulty wiring in 3-wire receptacles and GFCI circuits
- Detects 5 wiring faults

39240 Waterproof Stem Thermometer

- Ideal for testing hot water heaters
- Measures from -40°F to 392°F (-40°C to 200°C)
- 2.75" (70mm) stainless steel stem



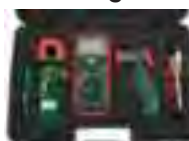
Part No.	Mfr. Part No.	1	5
1939669	MO280-KH	\$199.95	\$166.34

Industrial Troubleshooting Kit

Assembled to provide all the electrical testing needs for installation and repair of electrical systems, HVAC equipment, and large appliances. This kit comes with:

EX430 true RMS Multimeter with 11 functions (AC/DC voltage and current, resistance, capacitance, frequency, temperature, duty cycle, diode, and continuity); 42510 Mini IR thermometer offers non-contact temperature measurement on surfaces difficult or unsafe to reach (temperature range: -58°F to 1000°F/-50°C to 538°C); MA200 400A AC clamp meter with 6 functions (AC current, AC/DC voltage, resistance, diode, and continuity); 40130 non-contact AC voltage detector measure voltage from 100V to 600V. Kit also includes test leads, K-type thermocouple bead probe, Type K to banana input adapter, multimeter hanging straps, and batteries.

- Size: 9.5"W x 2.8"D x 6.8"H



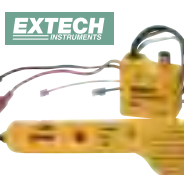
Part No.	Mfr. Part No.	1	5
1939749	TK-430-IR	\$239.95	\$219.95

Tone Generator & Amplifier Probe For Tracing Wires & Cables

- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	5
198002	Tone gen. & amp. probe	\$78.95	\$72.95



EXTECH

Pen DMM with Non-Contact Voltage Detector

- Large 2,000 count LCD display
- Overload & low battery indication
- Non-contact volt detection w/ visible & audible alarm
- Non-contact voltage range: 50VAC to 600VAC
- DC voltage ranges: 200mV to 600V with 0.1mV res.
- AC voltage ranges: 200mV to 600V with 0.1mV res.
- Resistance ranges: 200 Ω to 20M Ω with 0.1 Ω resolution
- Diode & continuity test
- Size: 8.2"L x 1.5"W x 1.1"D • Weight: 0.3 lbs.

Includes: Test leads with alligator clips, two 1.5V AAA batteries, and carrying case

Part No.	Mfr. Part No.	1	5
1537184	381676	\$38.95	\$36.49

ZapChecker (RF Field Strength Meter)

Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electromagnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 includes a log periodic antenna for that extra boost in locating and measuring signals and a BNC connector if you choose to use other antennas.

- Sensitivity control: 20dB, (10:1) signal control range
- Detection modes: LINEAR – for far-field detection of weakest signals: 12dB • Sensitivity: 45 μ V
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- Analog meter display for visual indication of changes and levels of RF signals
- Approximately 80 hours of battery life (2 x AA bat.)
- LED display indicators • Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Mfr. Part No.	Frequency	1	5
667817	ZC-300	1MHz-8GHz	\$499.95	\$469.95

Cable Tester for Network & CATV

- Automatically tests for continuity, miswires, open circuits, short circuits, and reversals
- Test all common data including polarization & wiring configurations of Ethernet (BNC/TNC), token ring, 10-BaseT (UTP/STP), AT & AT258A, TIA568A/B, and modular cables
- Test device used with UTP (unshielded twisted pair) and STP (shielded twisted pair) wiring
- Checks continuity and configuration of wiring with unshielded and shielded modular plugs
- Shield detection tests a cable's shield integrity

Includes: Tester, remote terminator & BNC to F adapter

Part No.	Product No.	1	5
1928468	KT45	\$49.95	\$44.95

*Web Code: TBF

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Data Loggers, Energy Meter & Cable Testers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC HOUSE BRANDS FACTORY OVERRUN



USB Data Loggers

Temperature, Humidity & Dew Point

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed, and exported to other applications
- Windows® 98/2000/XP/Vista compatible software included
- LED for status indicator



2076367

NEW
MARKED IN PINK



2075989



2076009

- 2076367:** Temp., humidity & dew point data logger
- Built-in 2 1/2-digit LCD display
- Data logger set-ups: logger name, °F/°C, logging rate (10s to 12 hrs), high & low alarms, start date and start time or pushbutton to start
- Temperature range: -31°F to 176°F (-35°C to 80°C)
- Relative humidity range: 0 to 100% RH
- Dew point indication via Windows® control software
- Includes 1/2AA 3.6V lithium battery

2075989: Temperature data logger

- Data logger set-ups: logger name, °F/°C, logging rate (10s to 12 hrs), high & low alarms, start date and start time
- Temperature range: -31°F to 176°F (-35°C to 80°C)
- Includes 1/2AA 3.6V lithium battery

2076009: Real time, temp. & humidity data logger

- Data logger set-ups: °F/°C, high and low audible alarms with mute option, text message or email alert settings, and shows readings in toolbar
- Temperature range: -4°F to 158°F (-20°C to 70°C)
- Relative humidity range: 0 to 100% RH
- Status indication icon on toolbar

Part No.	Mfr. Part No.	1	10
2076367	EL-USB-2-LCD	\$96.95	\$94.99
2075989	EL-USB-1	63.95	61.59
2076009	EL-USB-RT	74.95	69.95



Kill A Watt™ Energy Meter

Kill A Watt allows you to measure how much energy appliances consume. Simply connect these appliances to the Kill A Watt™, and it will assess how efficient they really are. Large LCD display will count consumption by the Kilowatt-hour, same as your local utility. You can calculate your electrical expenses by the day, week, month, even an entire year. Also check the quality of your power by monitoring voltage, line frequency and power factor.



NEW
MARKED IN PINK

- Large LCD display
- Cumulative Kilowatt-hour monitor
- Forecast your costs • 0.2% accuracy
- Displays volts, amps, watts and Hz
- Operating voltage: 115VAC
- Max. current: 15A • Max. power: 1875VA
- Size: 2.4"W x 1.7"D x 5.1"H

Part No.	Mfr. Part No.	1	10
2075946	P4400	\$26.95	\$25.63



Humidity/Temperature Data Logger

NEW
MARKED IN PINK



Web Code: LOG

- Simultaneous numerical and graphical display of humidity and temperature readings, plus time and date
- Measures humidity (10 to 95% RH), temperature (-20°F to 140°F) plus included LabView™ based software that calculates and graphs dew point, wet bulb and GPP (grains per pound)
- Large dual graphical LCD display with adjustable vertical and horizontal TAC resolution
- Internal memory records up to 49,000 data points and can be transferred to a PC via RS-232 serial port • Desk or wall mount

Includes: Built-in stand, detachable probe with 1m (3ft.) cable, RS-232 cable, USB adapter, LabView based software, AC adapter, and 3 AA batteries

Part No.	Mfr. Part No.	1	5
2075866	RH520A	\$249.95	\$237.45

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.



- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

Paladin Tools®

Includes: 9V battery

Part No.	Mfr. Part No.	1	5
652480	1577	\$189.95	\$176.99



RS-232 Mini-Tester

Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.



Part No.	Description	1	10	100
26729	Tester w/ status LEDs	\$12.95	\$11.95	\$10.95



RS-232 Line Status Tester

Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.



Part No.	Description	1	10	100
14285	Check line tester	\$7.95	\$7.09	\$6.39

*Cable Testers — Enter Web Code TBF

Simplify your product search by entering web codes above online at www.Jameco.com/More for additional product listings and specifications.

Modular Cable Tester

Easily read correct pin configuration of 10baseT, 10base2, RJ45 / RJ11 modular cables, 258A, TIA568A / 568B, token ring, etc.



- Check for cable continuity, miswiring, open, short, grounding, and pin configurations
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

CE

Part No.	Description	1	10
145710	Modular cable tester	\$84.95	\$63.71

RS-232 Signal Adapter/Splitter

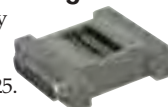
- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts



Part No.	Description	1	10	100
105196	Serial adapter	\$9.55	\$8.12	\$7.14

Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.



Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Web Code: WCP

Part No.	Description	1	10	100
11181	Breakout box	\$10.75	\$9.14	\$8.23



Looped Color Coded Test Point

- Phosphor bronze, silver plated wire
- Snap-fit mount
- PBT, UL94V-0
- Multipurpose (.445"L, .063"Dia. mounting hole)
- Color: white

Order in multiples of 10

Part No.	Mfr. Part No.	10	100
1582065	5012	\$1.76	\$1.32



11"L Test Lead Holders

155985: Max cable dia.: 0.450"

155969: Max cable dia.: 0.210"



Part No.	Mfr. P/N	Slots	Color	1	10	25
155985	2708B	9	Blue	\$11.45	\$10.85	\$10.35
155969	1508	14	Orange	13.45	12.95	11.75

*Test Leads — Enter Web Code BAZ



BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector • 7" 20AWG lead wires



Part No.	Cross Ref. No.	1	10	100
256832	CBB-069	\$5.39	\$5.15	\$4.89

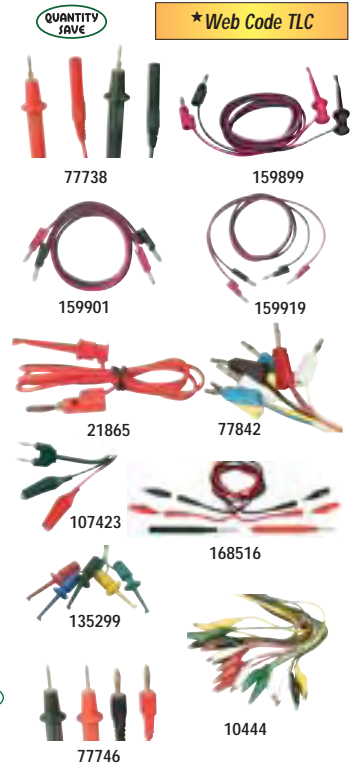
*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Test Leads and Cables

Part No.	Manufacturer	Product No.	Description	Length (ins.)	1	10	25
159871	Pomona	2249-C-36	RG58 C/U, 50Ω BNC cable	36	\$15.79	\$14.22	\$13.47
159880	Pomona	2249-C-60	RG58 C/U, 50Ω BNC cable	60	17.85	17.19	16.55
156495	Pomona	5523-R	MiniGrabber™ test clip patch cord, 10-pc. assorted colors	24	38.95	35.95	34.95
176954	Pomona	5187-K-36	BNC (RG174/U) to MiniGrabber™ test leads	36	25.75	24.55	23.95
11422	Jameco BenchPro	05-A-081-R	BNC (RG174) to Micro-clip test cable	39	3.99	3.19	2.89
11464	Jameco BenchPro	05-A-078-R	BNC (RG174) to Mini-clip test cable	39	4.20	3.99	3.79
11384	Jameco BenchPro	GCA26-R	BNC (RG58/U) to Alligator clip test cable	23	5.35	4.55	3.45
174625	Pomona	8150	Micro-tip test probe leads (w/ 10 plunger type tips)	39	35.95	34.95	32.95
212222	Probe Master	8043S	Softie test probe leads (w/ 10 pcs interchangeable tips)	39	26.55	25.20	23.99
77738	Jameco BenchPro	GF19-R	Protected banana style multimeter test leads	42	6.95	5.91	5.21
1945962	Various	TP-1	Protected probes w/ rt. angle banana screw-on alligator clips (2)	40	7.95	6.95	6.25
159899	Pomona	3782-36-02-ROHS	Mini-clip w/ stackable banana test leads	36	10.59	9.95	9.45
159901	Pomona	B-24-02	Stackable banana patch cord	24	10.65	9.58	8.51
159919	Pomona	B-36-02	Stackable banana patch cord	36	10.65	9.58	8.51
21857	Jameco BenchPro	05-A-082-R	Mini-clip to stackable banana test leads, black	39	3.95	3.55	2.99
21865	Jameco BenchPro	05-A-079-R	Mini-clip to stackable banana test leads, red	39	4.19	3.69	3.15
77842	Jameco BenchPro	KLN-4-25/H-R	Stackable banana to banana test leads, 10 pcs, 5 colors	9.8	23.39	20.95	19.49
107423	Jameco BenchPro	GCA340-R	Double banana plug to alligator clip test leads	36	4.75	4.19	3.54
168516	Jameco BenchPro	GA-5010	Universal test lead kit w/ interchangeable tips	36	9.25	7.85	5.89
135299	Jameco BenchPro	SF-207A-R	Mini-clip test leads, 5 colors	14	11.49	10.39	9.29
10444	Jameco BenchPro	GAL01	Alligator clip test leads, 10-pc. assorted colors	15	4.55	4.09	3.69
77746	Jameco BenchPro	FC-15B-R	Standard banana style multimeter test probes	42	7.95	7.35	6.95



Clips, Plugs and Posts

Part No.	Manufacturer	Product No.	Description	Size (ins.)	1	10	100
1582170	Keystone	6091	Chassis mount banana jack, red, 0.182" solder tab	.937 L x .433 Dia.	\$1.05	\$1.02	\$1.00
1582188	Keystone	6092	Chassis mount banana jack, black, 0.182" solder tab	.937 L x .433 Dia.	1.05	1.01	.90
256779	Jameco BenchPro	R1-17-BLK-R	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	10.29	8.76	6.58
263864	Jameco BenchPro	R1-17-RED-R	Panel mount tip jack; 1/4"-32 thread, red (10 pc. pkg)	.988 L x .29 Dia.	8.59	7.30	5.48
71240	Jameco BenchPro	GIP-003-R	1" screw type binding post, chassis mount	1.0 L x .50 Dia.	1.09	1.05	.90
77691	Jameco BenchPro	GIP-001-R	1 3/4" screw type binding post, chassis mount	1.8 L x .50 Dia.	1.55	1.45	1.35
11440	Jameco BenchPro	03-701A-R	BNC female to standard double banana plug	2.03 L x 1.7 W	5.95	5.39	4.79
125225	Jameco BenchPro	GB2BR2	BNC male to standard double banana plug	2.21 L x 1.8 W	8.59	7.30	5.89
125233	Jameco BenchPro	GB1BN2	BNC female to double binding/banana posts	2.14 L x 1.8 W	6.45	5.95	4.45
99355	Jameco BenchPro	—	BNC male to double binding/banana posts	2.35 L x 1.7 W	5.29	4.76	4.28
159863	Pomona	1825-02	Solderless banana plug with safety collar (set of 2)	4.59 L x .39 Dia.	3.75	3.29	2.99
159855	Pomona	1325-02	Solderless banana plug with set screw (set of 2)	1.55 L x .44 Dia.	3.95	3.65	3.35
159927	Pomona	MDP-02	Double banana plug w/ wire guide (set of 2)	1.55 L x 1.18 W	5.29	5.03	4.78
125197	Jameco BenchPro	GBRR2-R	Screw mount double binding/banana post	1.6 L x 1.4 W	3.95	3.45	3.19
125210	Jameco BenchPro	GBRR4-BLK-R	Stackable double banana plugs, black	1.59 L x 1.20 W	3.35	2.95	2.80
125218	Jameco BenchPro	GBRR4-RED-R	Stackable double banana plugs, red	1.59 L x 1.20 W	3.95	3.65	2.69
114810	Jameco BenchPro	G2P004-R	Mini test clip (set of 2)	1.75 L	2.19	1.72	1.56
114818	Jameco BenchPro	G2P002-R	Mini test clip (set of 2)	3.5 L	2.09	1.78	1.34
153163	Jameco BenchPro	SF-207-BL-R	Micro test clip, blue	1.6 L	2.29	1.95	1.38
72195	Jameco BenchPro	GBP205-R	1 9/16" set screw banana plug (set of 2)	1.6 L x .40 Dia.	1.59	1.49	1.25
137526	Jameco BenchPro	HP-2234P-R	2 1/4" set screw banana plug (set of 2)	2.3 L x .30 Dia.	2.99	2.49	1.99
70991	Jameco BenchPro	GIP006-R	Insulated alligator clips (set of 2)	2.3 L x .50 W	.49	.39	.35
248921	Jameco BenchPro	SF101CP-R	Mini alligator clip, solder/crimp	1.2 L x .30 W	.49	.45	.39
256525	Jameco BenchPro	SF105B-R	Alligator clip, barrel/screw	1.9 L x .20 Dia.	.59	.55	.49
248972	Various	SF103SV-RD-R	Red insulator sleeve for PN 256525	1.9 L x .20 Dia.	.35	.29	.25



***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

JAMECO
BenchPro

52-Piece Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
 - 7 pliers
 - Storage box
 - 3-piece soldering aid kit
 - Soldering iron with stand and sponge
 - 10-piece screwdriver set
 - Brush
 - 6-piece screwdriver set
 - Desolder pump
 - Testing screwdriver
 - IC extractor
 - 7-piece hex set
 - 6-piece wrench set
 - PVC insulated tape
 - Solder core
 - Heat sink
 - Measuring tape
 - Wrench
 - Desolder wick
 - Crimping tool
 - Oil can
 - 5-piece file set
 - Alignment tool
 - Flashlight
 - 3-prong holder
 - Hammer
 - Scissors
 - Part tube
 - Utility knife (3 blades)
 - Tweezers
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Description	1	5
218245	Master electronic tool kit	\$133.09	\$126.41

JAMECO
BenchPro

100-Piece Professional Electronics Tool Kit

Kit for field technicians and engineers!

- Kit includes:
 - Soldering iron
 - 12 screwdrivers
 - 7-piece hex key set
 - Extractor
 - 4 Pliers
 - Vise
 - Crimper/Stripper
 - Adjustable wrench
 - Flashlight
 - Brush
 - Soldering stand
 - Solder pen
 - Tweezers
 - Cutters
 - Storage box
 - Tape
 - Wrist strap
 - Vacuum cleaner
 - Blade cutters
 - Scissors
 - Cordless screwdriver kit (bits included)
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	\$229.95	\$179.95

JAMECO
BenchPro

11-Piece Lightweight Computer-Service Tool Kit

- Kit includes:
 - 2 nut drivers: 3/16", 1/4"
 - 3-claw parts holder
 - 1-pc hex key wrench
 - IC extractor
 - 4-pc screwdriver set
 - Tweezers
 - Clear components tube holder
- Size: 8.5"L x 6.0"W x 1.5"H • Weight: 1.1 lbs.

Part No.	Description	1	10	25
167206	11-piece tool kit	\$17.49	\$14.95	\$12.95

JAMECO
BenchPro

40-Piece Electronic Tech Tool Kit

- Kit includes:
 - Wire cutters/ stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - 10-pc screwdriver set
 - T10-T25 reversible Torx screwdriver bits
 - Potentiometer alignment tools
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - Extra long 3-claw parts holder
 - IC inserter with pin straightener
 - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

Part No.	Description	1	5	25
119183	40-piece tool kit	\$22.49	\$19.95	\$16.95

JAMECO
BenchPro

69-Piece Tech Service Tool Kit

- Kit includes:
 - Storage box
 - 7 pliers
 - Tweezers
 - Spring hook
 - 3-piece soldering aid kit
 - Desoldering pump
 - 3-piece alignment tool set
 - Diagonal cutter
 - Soldering iron
 - Forceps
 - 9-piece screwdriver set
 - Wire stripper
 - 5-piece file set
 - Flashlight
 - 3-prong holder
 - PVC insulated tape
 - Heat sink
 - Measuring tape
 - 6-piece electronic screwdriver set
 - 40-piece socket & screwdriver set
 - 10-piece electronic wrench set
 - Drill
 - Desoldering wick
 - Brush
 - Crimping tool
 - Extractor
 - 7-piece hex key set
 - Hammer
 - Solder core
 - Wrist strap
 - Inspection Mirror
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024	69-piece tool kit	\$319.95	\$299.95

* Tool Kits — Enter Web Code CAA

JAMECO BenchPro

51-Piece Tech Tool Kit

- Kit includes:
 - Storage box
 - 4 pliers
 - Tweezers
 - 6-piece electronic screwdriver set
 - 7-piece hex key set
 - Scissors
 - PVC insulated tape
 - 10-piece screwdriver set
 - Utility knife (3 blades)
 - 3-piece soldering aid kit
 - Desoldering pump
 - Soldering iron with stand and sponge
 - Multimeter
 - Brush
 - 2 Needle files
 - Wrench
 - Solder core
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	\$99.95	\$81.95

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.

- Size: 19.0"L x 14.0"W x 6.0"
- Weight: 8.0 lbs.

Part No.	Description	1	5
261877	Tool/equipment case	\$48.59	\$43.95

26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits
- Driver handle
- Compact carrying case
- 3" extension bar for 1/4" drive
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.

Part No.	Description	1	10	25
170069	26-pc. SAE tool set	\$17.95	\$16.16	\$13.69

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The Best Warranty in the Industry

We warrant all products we sell against manufacturer defects for a full 90 days from the time of shipment. While our competitors will make you hunt down the contact information manufacturer, we'll just repair or replace the product.

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Weller® 250-Watt, 3-Setting Industrial Heat Gun

- 750°F to 800°F hot air at nozzle;
- 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord



Part No.	Mfr. Part No.	Wt. (lbs.)	1	5
191943	6966C	1.2	\$137.95	\$124.83

*Heat Guns — Enter Web Code QAI

R² RapidRench Adjustable Ratcheting Socket Wrench

- Replaces 38 most popular socket sizes
- Fits hundreds of SAE and metric fasteners
- Tighten or loosen with a flip of a switch
- Dial adjusts jaws to the exact size of the fastener
- Jaw capacity: 1/4" to 7/8" (6.35mm to 22.2mm)
- Rubberized comfort grip for extra control



Part No.	Mfr. Part No.	1	5
1943131	FR28SWMP	\$29.95	\$26.95

*Wrenches — Enter Web Code WEL

RapidSlide Adjustable Wrench

- Slide/control button on handle for fast, easy and accurate jaw adjustment
- SAE/metric adjustment markings on head
- 1" maximum jaw opening allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hands



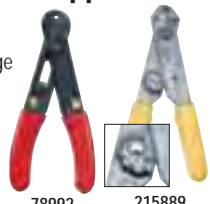
Part No.	Mfr. Part No.	1	5
1943123	AC8NKWMP	\$19.95	\$17.95

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

78992: 10-30 AWG (screw adjustable)

215889: 10-24 AWG (dial to adjust for wire gauge)



Part No.	Cross Ref. No.	1	10	50	100
78992	HT108	\$4.49	\$3.95	\$3.49	\$2.95
215889	JE-2022C	4.15	3.66	3.10	2.70

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

161226: Premium

• 12-20 AWG stranded; 10-18 AWG solid

161234: Premium

• 16-26 AWG stranded; 14-24 AWG solid

161218: Standard

• 16-26 AWG stranded; 14-24 AWG solid • Color: red

Part No.	Mfr. Part No.	Description	1	5
161226	ID45-215	Cushioned grips	\$17.95	\$17.25
161234	ID45-216	Cushioned grips	17.95	17.25
161218	ID45-121	Non-cushioned grips	15.95	14.95

*Cutters/Strippers — Enter Web Code BAK

Automatic Wire Stripper

- Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.



Includes: Wire stopper for desired strip length

Part No.	Description	1	10	25
175098	Strips 8-22 AWG	\$16.95	\$15.25	\$13.75

Rotary Coax Cable Strippers

2 and 3 Blade

159119 (3 Blade):

2 settings RG58/59/62

• For cable sizes 4-10mm

• Size: 4.2"L x 1.3"W • Color: black

159185 (2 Blades): 4 settings RG58/59/62/174

• For cable sizes 4-12mm

• Size: 3.9"L x 0.7"W

• Color: gray

Includes: Hex key wrench for adjusting blade



159119



159185

Part No.	Mfr. Part No.	1	10	25
159119	HT312B (3 blade)	\$13.95	\$11.86	\$9.95
159185	HT332D (2 blade)	13.95	12.49	11.25

*Wire Strippers — Enter Web Code HAY

Hand Tools for Mini-Fit™ Jr.

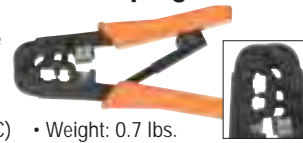


304928: Accepts wire range from 14-24 AWG

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	\$48.05	\$43.48
304936	11-03-0044	Extraction tool	17.49	15.95

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.



Part No.	Description	1	5	25
159312	RJ45/11/12	\$23.95	\$21.95	\$19.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.



Part No.	Mfr. Part No.	1	5	25
114535	HT-336G	\$25.95	\$23.49	\$20.95

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W



Part No.	Mfr. Part No.	1	10	50	100
99443	HT202A	\$10.59	\$9.50	\$8.68	\$7.78

*Crimping Tools — Enter Web Code PAL

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Pliers, Cutters & Drill Bits

3 LEVELS OF SAVINGS
FRANCHISE SOURCED | GENERIC | HOUSE BRANDS | FACTORY OVERRUN

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377, 43369 & 100766, pg 64
- Size: 7.0"L x 4.0"W

*Web Code: PAL



Part No.	Mfr. Part No.	1	10	50
159266	HT213	\$12.95	\$10.95	\$9.49

Xcelite Needle Nose Pliers

217891 (submini needle nose): Serrated jaws

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas

217998: Smooth jaws

- General purpose for pick-up and wire forming



Part No.	Mfr. P/N	Description	1	10
217891	L4	4" mini needle nose ...	\$14.95	\$13.69
217998	LN54G	5" thin long nose	15.49	14.49

Half-Round Long Nose Pliers

- Drop forged steel
- Heat treated
- Spring return action
- Length: 4.5"
- Vinyl grips
- Knurled jaws



Part No.	Description	1	10	50	100
177608	Half-round pliers	\$4.95	\$4.49	\$3.95	\$3.59

5.3" Flat Long Nose Pliers

- Stainless steel
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose
- Smooth jaws
- Spring return

QUANTITY
SAVE



Part No.	Description	1	10	50	100
195531	Flat long nose	\$6.85	\$6.07	\$4.80	\$3.49

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes:

One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73121	5-piece set	0.6	\$18.49	\$16.75	\$14.99

*All Pliers — Enter Web Code TBJ

Diagonal Wire Cutters

- Jaws are designed for flush cutting
- Cuts component wire up to 1.2mm thick
- 0.5" cutting blade

35482: 4.3"L x 2.1"W

- Durable rubber handles

161411: 5.0"L x 1.8"W

- Stainless steel

- Also cuts 0.08mm fine wire

- Insulated handles



*Web Code: HAF

Part No.	Description	1	10	50
35482	4.3" cutter	\$7.35	\$6.60	\$6.02
161411	5.0" cutter	7.49	6.74	6.07

Crimping/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W
- Includes: Cut and strip blade



• Weight: 0.8 lbs.

Part No.	Product No.	1	10
174684	TTK071	\$26.95	\$24.26

"F" Connector Compression Tool

Compresses RG-6 and RG-59 Snap-N-Seal type connectors.

- Length: 5"



Part No.	Product No.	1	5
261753	Compression tool	\$30.85	\$29.30

Xcelite Diagonal Cutters

*Web Code: HAF



Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for max. comfort

Part No.	Mfr. Part No.	Description	1	5
217921	MS54J	4" oval head-flush	\$16.25	\$15.49
1536974	S475NJS	4" relieved head-flush	15.49	14.32
217904	MS549J	4" tapered head-flush	15.75	14.95
217867	MS545J	4" slim line tapered head-flush	15.25	14.49

Xcelite Cutters and Pliers



- Spring returns
- 146712: Micro series wire cutter – flush; 6"
- 146739: Diag. wire cutter – semi-flush; 4"
- 146721: Long needle nose pliers – flat; 5"

Part No.	Mfr. Part No.	1	5	25
146712	170M	\$5.89	\$5.49	\$5.15
146739	MS54V	16.75	15.95	15.25
146721	MN7776V	20.55	19.55	18.57

Xcelite Shearcutter/Pliers Set

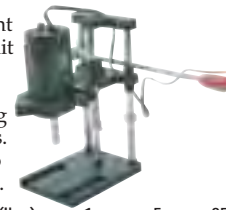
- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L



Part No.	Mfr. Part No.	1	5	50
152055	S2K	\$17.95	\$16.95	\$15.95

Jameco BenchPro Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$34.95	\$31.95	\$29.49
26711	GTT-104 stand	1.8	25.95	23.95	21.95

PC Board Drill Bits

- Shaft diameter: .125"
- Use for drilling holes in glass PC boards



Part No.	Size	Dia.	1	10	100
1919537	1/8	.125"	\$1.25	\$.99	\$.75
1919588	31	.120"	1.25	.99	.75
1919300	32	.116"	1.25	.99	.75
1919609	33	.113"	1.49	1.25	.99
1919553	35	.110"	1.49	1.25	.99
1919570	38	.102"	1.25	.99	.75
1919502	45	.082"	1.49	1.25	.99
1919596	46	.081"	1.49	1.25	.99
1919561	48	.076"	1.25	.99	.75
16580	59	.040"	1.75	1.49	.99
16619	75	.021"	1.75	1.49	.99

9-Piece Drill Bit Kit

- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes



Part No.	Description	1	10	50
131676	9-piece drill bit kit	\$9.95	\$8.95	\$7.95

*Drill Bits — Enter Web Code NEJ

Jameco BenchPro 32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829	32-piece security bit set	\$12.99	\$11.99

Jameco BenchPro Pocket Screwdriver

Phillips & Flat head

- Size: 6"L
- Pen clip for pocket storage



*Web Code: CAQ

Part No.	Description	1	10	100
127271	Pocket screwdriver	\$1.95	\$1.59	\$1.35

Helping You Find What You Need

Can't find the product you're looking for
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*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

6-Pc Precision Screwdriver Sets

34041 includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers

34059 includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	1	10	50
34041	Slotted set	\$3.59	\$3.05	\$2.29
34059	Phillips set	4.99	4.28	3.25

6-Pc Precision Torx Screwdriver Set

- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T10 x 50mm Torx hex screwdrivers

Part No.	Description	1	5
226106	Precision TORX screwdriver	\$16.29	\$12.39

6-Pc Long-Neck Screwdriver Set

- Three slotted: 0.09"Dia. x 6.6"L; 0.12"Dia. x 6.6"L; 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451	6-pc. screwdriver set	\$9.55	\$8.95	\$8.45

7-Pc Insulated Screwdriver Set

- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999	Screwdriver set	\$18.69	\$17.74

***Screwdrivers — Enter Web Code CAQ**

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10	25
151750	T-handle reamer	\$7.99	\$7.49	\$6.99

Deluxe Precision Knife Set

- Three different knife handles — fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	25
72768	13 blade knife set	\$10.95	\$10.25	\$9.75

5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10	50
115107	HEM01	Straight ...	\$3.75	\$3.49	\$3.15
115115	HEM02	Curved ...	4.25	3.95	3.55

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071: Tool with blade

- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324014: Tool with blade

- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H

175089: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071	Tool with 66 blade	\$37.29	\$27.96
324014	Tool with 110 blade	54.39	40.79
175089	Punch-down blade 110	14.95	11.21

***Web Code: PBC**

Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 46 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Mfr. Part No.	1	10	25
34585	HSM30 (Modified)	\$59.49	\$53.54	\$47.58
236785	HSR30 (Regular)	32.69	27.79	20.85

***Web Code: BBC**

Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134	Metric (.02 mm)	\$32.65	\$29.39	\$26.44
116126	Inches (.001 inch)	30.95	25.45	19.95
684449	Metric/Inches	32.99	29.68	26.71

Digital Display Caliper

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements • One-year warranty
- Calipers measure to 6 inches/150mm

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, web)

Part No.	Description	1	10	25
127482	Digital disp. caliper	\$69.25	\$66.28	\$64.62

***Calipers — Enter Web Code PAQ**

PLCC and DIP IC Extractors

***Web Code: MAB**

- Size: 4.0"L x 2.0"W

Part No.	Mfr. Part No.	Description	1	10	100
16766	HT103B	PLCC	\$3.95	\$3.36	\$2.96
16838	HT103A	DIP	1.65	1.49	1.25

4-Pc. Conductive SMD Tweezer Set

- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip • Each is 4.5" long

Part No.	Description	1	10	25
172638	4-piece tweezer set	\$12.95	\$10.95	\$9.95

4-Piece Steel Tweezer Set

- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735	4-piece tweezer set	\$7.95	\$6.95	\$5.95

***Tweezer Sets — Enter Web Code FAA**

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener	\$7.69	\$6.94	\$6.24

Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment w/ these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24.0"L x 12.0"W x 0.25"H

Part No.	Description	1	5
13864	Anti-static foam	\$9.75	\$8.77
78650	8" x 10" anti-static bags	.43	.387

Coiled Grounding Wrist Strap

- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long • Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552	Anti-static strap	\$6.49	\$5.85	\$5.29

Anti-Static Work Mats

Make your work environment safe from static discharge! These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.

Part No.	Dimensions	Wt. (lbs.)	1	10	100
10576	11.3" x 22"	0.7	\$10.25	\$9.23	\$8.30
10584	19.5" x 23.5"	1.1	16.45	14.80	13.35
236541	23.5" x 27.5"	1.4	30.75	27.70	24.85

***Anti-Static — Enter Web Code XAA**

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)

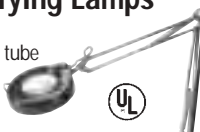
Magnifying Lamps & Soldering Equipment

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC BRANDS
HOUSE BRANDS
FACTORY OVERRUN

JAMECO BenchPro

3X Magnifying Lamps

- 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- New wire clip design permits easy installation
- Metal bulb holder for extra protection • 3-diopter lens
- Power requirement: 110VAC/60Hz • Weight: 7.3 lbs.




Part No.	Description	1	10	25
100829	Black lamp	\$59.95	\$53.95	\$49.95
149981	White lamp	63.69	60.47	57.44

JAMECO BenchPro

Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3-diopter lens • Weight: 2.9 lbs.




Part No.	Description	1	10	25
22710	Magnifying lamp	\$29.15	\$27.71	\$26.28

JAMECO BenchPro

3X, 3-Bulb Magnifying Lamp

Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.

- Adjustable rectangular 3-diopter lens
- 47" long arm • 2 on/off buttons
- Color: beige • UL listed • Weight: 8.15 lbs.



Part No.	Description	1	10	25
217517	Adj. magnifying lamp	\$84.95	\$79.95	\$74.95

JAMECO BenchPro

KLIP-ON Deluxe 3X Magnifying Lamp

Ideal for limited workspaces in home or office.

- Heavy duty 2" spring loaded clamp
- Super bright 13 watt fluorescent bulb (6400 Kelvin) • Weight: 2.0 lbs.
- High quality 3-1/2" glass magnifying lens w/ dust cover
- 16" gooseneck-directs light in any directions




Part No.	Product No.	Color	1	10	25
1955044	LUX250W	White	\$34.95	\$31.49	\$28.95
1955052	LUX250B	Black	34.95	31.49	28.95

JAMECO BenchPro

Precision 5 Diopter Magnifying Lamp

The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.

- 5" diameter lens • Weight: 7.1 lbs.
- Power requirement: 110VAC/60Hz




Includes: 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456	Magnifying lamp	\$114.95	\$98.95	\$88.95

***Magnifying Lamps — Enter Web Code DAW**

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.



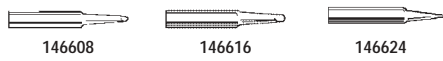
Includes: ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	1	10
146595	WLC100	\$51.79	\$49.59

***Web Code: GEJ**

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

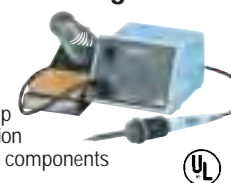


Part No.	Mfr. P/N	Description	1	10
146608	ST1	Screwdriver tip 1/16" ...	\$5.45	\$4.86
146616	ST3	Screwdriver tip 1/8" ...	5.99	5.07
192145	ST6	Screwdriver tip .031" ...	5.99	5.07
146624	ST7	Conical tip 1/32" ...	4.99	4.26

***Web Code: NAB**

Weller® 42-Watt Controlled-Output Soldering Station

- Complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components
- 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



Includes: Soldering iron and PTA7 tip (below)

- Tips all .062"

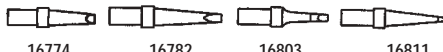
Part No.	Mfr. P/N	Description	1	10
170552	WTCP	Solder station	\$142.15	\$137.40
192161	TC201T	Replac. iron	74.65	71.95
192170	PTA6	Screwdriver tip 600°F ...	5.75	4.31
192188	PTA7	Screwdriver tip 700°F ...	5.99	5.47
192196	PTA8	Screwdriver tip 800°F ...	5.69	5.15

***Soldering/Desoldering Stations — Enter Web Code GEJ**

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered



Part No.	Mfr. P/N	Description	1	10
16774	ETA	Screwdriver 1/16" ...	\$6.95	\$6.25
16782	ETJ	Long screwdriver 1/32" ...	6.95	6.25
16803	ETR	Narrow screwdriver 1/16" ...	5.95	5.65
16811	ETS	Long conical 1/64" ...	6.95	6.39


***Web Code: NAB**

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

Weller®

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



Includes: PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	10
217461	WES51	Analog	\$125.39	\$121.95
233533	WESD51	Digital	159.95	155.95


XYTRONIX

16 to 30-Watt Variable Soldering Iron & Stand

116572: Length: 7.5"

36329:

- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" diameter



Includes: Sponge

Part No.	Description	1	10	100
116572	258VL soldering iron	\$22.55	\$17.92	\$17.02
36329	Soldering stand	4.95	4.46	4.01
134631	Sponge (for P/N 36329)	2.99	2.69	2.49

XYTRONIX

Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord • 25-watt power consumption
- Interchangeable tips (pg 149) • UL listed
- Length: 8.0" • One-year warranty

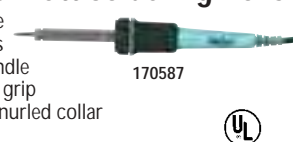


Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	10	25
129040	200GX-25W	\$13.69	\$11.87	\$11.82

Weller® High-Quality 25-Watt & 35-Watt Soldering Irons

- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"
- 120VAC @ 60Hz



Includes: Power cord & ST3 tip (pg 146)

Part No.	Mfr. Part No.	Description	1	10
170587	WP25	25W solder iron ...	\$36.99	\$35.65
192102	WP35	35W solder iron ...	46.19	44.65

***Soldering Irons — Enter Web Code QAS**

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

35-Watt Soldering Iron

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1" • 110-120VAC



Part No.	Description	1	10	100
208987	35W soldering iron	\$3.49	\$3.04	\$2.77
209075	Solder roll, 8mm (.031")	20.95	18.85	17.79

Weller® Cordless Soldering Iron Kit

- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	Description	1	5
152207	PSI-100K	Tool kit	\$85.75	\$82.75

Weller® Pro Cordless Coldheat Soldering Iron

Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. The Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG, with an average yield of 700 solder joints per 5 AA alkaline batteries.

- Polycarbonate body
- High/low/off power switch
- Bright white LED light
- Red "in use" indicator light
- Includes carrying case and CHT3 61° angle chisel tip

Requires: 5 AA alkaline batteries

Part No.	Mfr. Part No.	1	5
684705	CHT100	\$43.39	\$39.86

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.



Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783	Power Pro cordless iron	\$67.29	\$65.79

Weller® Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load



Part No.	Mfr. Part No.	Description	1	10
645520	GASIRON2	Soldering iron	\$36.35	\$32.05

*Soldering Irons — Enter Web Code QAS

Weller® 8/11-Watt Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8-watts on low setting (850°F) or 11-watts on high setting (950°F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries



Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip/wrench stand

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	\$22.75	\$21.49

Magna-Lite Butane Table-Top Torch

- Waterproof piezo ignition
- Adjustable flame control
- Child-resistant ignition for safety
- Refills in 20 seconds with standard butane gas
- Flame temperature: 2500°F (1300°C)
- Run time: 60 minutes (@ middle flame setting)
- Uses: brazing, soldering, heat shrink tubing, industrial maintenance



Part No.	Mfr. Part No.	1	5
1943001	ML200	\$27.49	\$26.49

SMD Tweezer Iron

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760°F • 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.



Includes: 0.095" tip

Part No.	Description	1	10	25
168410	Tweezer iron	\$59.95	\$53.95	\$48.95
168583	Tip .078"	11.95	10.79	9.69
168591	Tip .590"	13.45	12.95	11.95

Weller® Digital Soldering Stations

- New WP80 soldering pencil offers 80 watts of power with short tip-to-grip (52mm)
- 80W of power
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H
- Weight: 8.2 lbs.



- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in pencil rather than tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work
- Iron stand has adjustable tilt angle in 4 positions ranging from 30° to 80°
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H
- Weight: 7.5 lbs.

Part No.	Mfr. Part No.	Description	1	5
684772	WD1002	80W	\$293.05	\$284.67
684781	WD1001	85W	297.49	286.10

SMD Rework Station

- Long-life ceramic heating element
- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Rapid heat-up and recovery
- Thermocouple sensor for stable temperature
- Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element
- Weight: 2.6 lbs

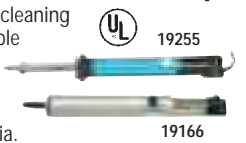


Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629	Rework station	\$89.95	\$79.95	\$72.95
168583	.078" tip	11.95	10.79	9.69
168591	.590" tip	13.45	12.95	11.95

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available
- 19255: • UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.
- 19166: Size: 7.8"L x 0.8"Dia.
- 1942139: Size: 13.3"L x 1.0"Dia.



Part No.	Description	1	10
19255	Electric desolder pump	\$28.95	\$23.95
19166	Manual desolder pump	4.95	4.49
1942139	Manual desolder pump	8.39	7.54

Part No.	Description	1	10
19262	1 tip for 19255	4.95	3.71
22091	2 tips for 19166	4.49	3.95
307782	1 tip for DP100	3.89	3.69

Magna-Lite Butane Soldering Pencil

- Piezo electronic ignition system
- Adjustable gas flow valve controls temperature range
- Temperature range: 750°F to 900°F
- Up to 30 minutes continuous use on medium setting
- Window allows you to see gas level
- Can be used as a torch when tip is removed



Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5
1943051	ML500MP	\$16.75	\$15.95

70-Watt Soldering Stations

- Input: 110-120VAC @ 60Hz
- Nichrome heating element on soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)
- Soldering iron assembly w/ nichrome heating element & K-type thermocouple sensor
- Adjustable knob for temperature setting
- Size: 8"L x 5.2"W x 3.8"H
- Weight: 5.3 lbs.
- Includes: soldering station, soldering stand with cleaning pad, soldering iron, manual



- LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C
- Uses model 209 soldering iron
- 1950729: Digital
- 0.560" (3-digit) LED display and red LED for heater on indicator
- Temp. accuracy: ±1°C
- Uses model 209ESD soldering iron
- ESD safe

Part No.	Mfr. Part No.	Description	1	5
1950711	Super 169	Analog	\$119.95	
1950729	Super power 169D	Digital	129.95	

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

80-Watt Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Tip temperature accurate to $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Adjustable temperature w/o changing tips
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Self contained diaphragm vacuum pump engineered to provide continuous, maintenance free operation
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H



Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Mfr. Part No.	Description	1	10
1919094	LF-6000	Desoldering	\$349.29	\$331.74

* Soldering/Desoldering Stations — Enter Web Code GEJ

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

90-Watt Analog Soldering/Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron: 32VAC output, 90 watt, 200°C to 480°C (400°F to 900°F) temperature range with 1.6mm/1/16" tip
- Desoldering iron (DIA80): 32VAC output, 80 watt, 300°C to 450°C (570°F to 850°F) temperature range, with 1.2mm/0.048" tip • Temp. stability: $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching and full grounded design
- Adjustable temperature w/o changing tips
- Pump controlled by a finger actuated thyristor on desoldering iron • Automatic power down after 15 minutes of idle as indicated by pause LED
- Self-contained vacuum pump engineered to provide continuous, maintenance free operation
- Dials for temperature settings on both soldering and desoldering iron
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 4.1"H



Includes: 104A/105A soldering stands, A-2000-1 soldering stand, DIA80 desoldering iron with #44-915412 tip, 210ESD soldering iron with #44-415404 tip, 5pc. 5" high precision tweezers, AX205 5" micro cutting pliers, steel brush/cotton/foam replacement filters, power cable, and instruction manual

Part No.	Mfr. Part No.	Description	1	5
1919107	LF-7000	Solder/desolder	\$442.35	\$420.20

100-Watt High-Powered Desoldering & Soldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron (heater output, power & temperature range): 32VAC, 100W, 200°C to 450°C (400°F to 850°F)
- Desoldering iron (heater output, power, and temperature range): 32VAC, 80W, 300°C to 450°C (570°F to 850°F)
- Temperature stability: $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching & fully grounded design
- Adjustable temperature w/o changing tips
- Pump controlled by a finger actuated thyristor on desoldering iron
- Auto power down after 15 minutes of idle
- Detachable soldering iron and desoldering wand
- Self contained vacuum pump engineered to provide continuous, maintenance free operation
- Digital readout for temperature
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 6.1"H



Includes: 104A/105A soldering stands, DIA80 desoldering iron, 210ESD soldering iron, steel brush, foam filters, power cord, diagonal wire cutters, 5 high precision tweezers and instruction manual

Part No.	Mfr. Part No.	Description	1	5
1919115	LF-8000	Solder/desolder	\$488.89	\$464.44

60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is maintained at $\pm 6^{\circ}\text{F}$
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H • Weight: 4.8 lbs.

Includes: One 1/16" tip (P/N 35115 – below)

Blue Part No. = Limited Quantity Available

Part No.	Mfr. Part No.	Description	1	10	25
236101	XY9-60D/ESD	Digital soldering station – ESD safe	\$119.95	\$99.95	\$89.95
219627	XY9-60A	Analog soldering station	117.35	114.35	112.11
168401	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	63.71	56.21
168583	46-060102	Tip .078" for P/N 168401	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 168401	13.45	12.95	11.95
236460	78-744615	Replacement sponge for both stations	3.59	3.23	2.99



60-Watt Desoldering & Soldering Station

Special 5% Bundle Savings
Complete ISO 9000 digital station –
P/N 236101 & 125508
Sold separately \$419.90
Combined: P/N 207263 \$388.95

- Simple fine tune feature to select within $300\text{--}850^{\circ}\text{F}$ range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes
- Size: 9.2"L x 7.2"W x 3.6"H • Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

207271 For use w/ models 136, 136ESD, 137ESD & 988

Blue Part No. = Limited Quantity Available

Part No.	Mfr. Part No.	Description	1	10	25
125508	968	Desoldering station	\$299.95	\$269.99	\$242.99
207271	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
168583	46-060102	Tip .078" for P/N 207271	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 207271	13.45	12.95	11.95
236460	78-744615	Replacement sponge	3.59	3.23	2.99



45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds $100\text{M}\Omega$
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Mfr. Part No.	Description	1	10	25
229673	XYT379-C	45-Watt soldering station	\$59.95	\$54.95	\$49.95
156814	XYB01	Sharp conical chisel 1/32" tip	6.39	5.59	5.22
134631	SP715	Replacement sponge	2.99	2.69	2.49



Replacement Sponges for Legacy Models

Part No.	Mfr. Part No.	For Station	1	10	100
134640	SP815	168-3C	\$2.15	\$1.92	\$1.73
134631	SP715	XY-60D, XY-379 & XYT379-C	2.99	2.69	2.49

Economical, High-Performance Soldering Irons

High-quality soldering irons that are suitable for both professional and do-it-yourself applications.

- 25W, 40W & 60W
- 120VAC; 6' cord with 3-prong plug • Length: 9"

Part No.	Mfr. Part No.	1	10	25
224611	200PHG-25W	\$10.95	\$9.95	\$8.95
224602	200PHG-40W	11.99	11.00	9.99
195223	200PHG-60W	15.45	14.48	10.86
226018	44-240513 tip	1.79	1.48	1.25

For additional tips see www.Jameco.com

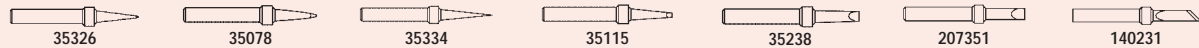


* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

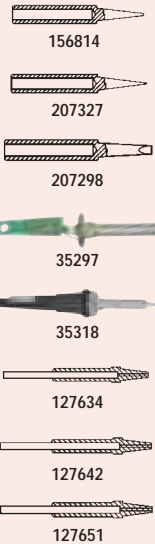
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Tips & Replacement Parts for XYTRONIC Soldering and Desoldering Products



★ Web Code: NAB			For XYTronic Model Numbers (*Legacy Models)										Pricing			QUANTITY SAVE
Part No.	Mfr. P/N	Description	258VL	1.66SD *	2003X-200PHG 169 *	379 * 379C	ALSD 1/32SD	XY40W 1/16SD	980D *	988	999SD *	JS238 *	168-3C	1	10	25
35326	XY401	Soldering tip - conical bevel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓	\$4.49	\$3.95	\$3.65
35078	XY402	Soldering tip - semi-chisel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35334	XY403	Soldering tip - conical sharp 1/64"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35115	XY404	Soldering tip - conical chisel 1/16"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.92	2.94
207351	XY410	Soldering tip - chisel 3/16"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
140231	XY430	Soldering tip - SMD flat pack 7/32"	✓		✓	✓		✓	✓		✓	✓	✓	8.95	7.95	7.25
156814	XYB01	Soldering tip - sharp conical chisel 1/32"		✓			✓							6.39	5.59	5.22
207327	XYB03	Soldering tip - conical sharp 1/64"		✓			✓							6.59	6.22	5.38
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓		✓	✓							4.95	4.49	3.95
35297	XY37	Heating element - (nichrome)			✓	✓		✓			✓		✓	20.95	18.95	16.95
35318	XY48	Assembly - 60W w/ nichrome heater			✓	✓		✓			✓		✓	30.95	27.95	24.95
127634	XYD10	Desoldering tip - 1.0mm (.0394")							✓	✓	✓			9.95	8.95	7.95
127642	XYD12	Desoldering tip - 1.2mm (.0472")							✓	✓	✓			9.95	8.95	7.95
127651	XYD15	Desoldering tip - 1.5mm (.0586")							✓	✓	✓			9.95	8.95	7.95



Soldering Kit

Includes: 100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/component holder, lead solder, and soldering aid tool.

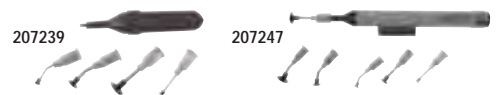


Part No.	Description	Size	Weight (lbs.)	Price
684596	GSR-600A	13.8"L x 11"W x 3"H	4.0	\$47.55



Vacuum Pen Tools

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less



Part No.	Description	1	10	25
207239	Handivac tool (4 tips and cups)	\$24.19	\$21.77	\$19.59
207247	Pen vac tool (6 tips and cups/aluminum body)	41.75	35.49	31.31

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6" • Wt.: 2.0 lbs.



Part No.	Description	1	5	25
169551	Spool & iron stand	\$14.95	\$11.95	\$10.95

JAMECO ValuePro		Solder Spool Stand			
		Solder not included			
		QUANTITY SAVE			
Part No.	Description	1	10	100	
141761	Solder spool stand	\$10.09	\$9.75	\$9.50	

*Solder Spools — Enter Web Code YAU

Solder Bars

- Used with solder pots • Size: 13"L x 0.9"Dia.
- 176057: 60/40
- 170465: 63/37
- 668406: 99.3% tin, 0.7% copper
- 668414: 96.3% tin, 3.2% silver, 0.5% copper



Part No.	Description	Wt. (lbs.)	1	10	25
176057	60/40	1.1	\$30.79	\$28.45	\$26.05
170465	63/37	1.8	19.95	18.95	18.55
668406	99.3/1.7	2.2	43.39	41.35	39.38
668414	96.3/3.2/1.5	2.2	81.49	69.27	51.95

600-Watt Solder Pot

Temperature Adjustable

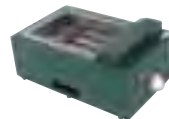
- 2-wire power cord (5'5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 or 170465, left
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D • Weight: 7.4 lbs.



Part No.	Description	1	10
172276	600W solder pot	\$235.95	\$209.95

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 or 170465, left
- 3 conductor pigtail power cord: 5' long
- Input volt.: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty



Part No.	Description	1	5
149876	2000 watt solder pot	\$399.95	\$299.96

*Solder Pots — Enter Web Code HAW

Combination 42-Watt Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.



Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Mfr. Part No.	1	10
183169	456DLX	\$89.95	\$86.49



Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty



Part No.	Description	1	10	25
120150	Fume extractor	\$58.95	\$52.95	\$47.79
127183	Replace. filters (2/pk)	12.95	11.66	10.49

*Fume Extractors — Enter Web Code HAR



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*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Fume Extractors & Soldering Accessories

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERHUN

Weller® Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Volt.: 120VAC • Sound level: 45-50dB • ESD safe
- Air consumption: 87-107CFM • UL/CUL listed
- Power consumption: 20W • Weight: 4.2 lbs.
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute • Size: 10"L x 6.5"W x 11"H



Part No.	Mfr. Part No.	1	5
684810	WSA350	\$54.35	\$51.60
684828	WSA350F (carbon filter)	7.15	6.79

Fume Extractor

Designed to remove solder flux fumes and other workplace fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.



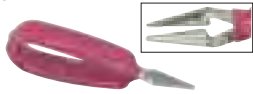
- Input volt.: 110 – 120V
- Power: 20W • Arm length: 29"
- Fan specifications: 50dB S/N ratio; 87cfm
- Size: 8.3"H x 8.3"W x 5.3"D • Weight: 3.3 lbs.

Part No.	Product No.	1	10
667420	GS-630A	\$63.95	\$54.36

*Fume Extractors — Enter Web Code HAR

JAMECO ValuePro Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W



Part No.	Cross Ref. No.	1	10	25
159126	HT156	\$3.05	\$2.71	\$2.45

Heat Sink Compounds

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.



- Color: opaque white

Part No.	Mfr. Part No.	1	10	100
167249	THM250 (2 oz.)	\$8.99	\$8.09	\$7.37
236823	54114 (1 oz.)	3.49	3.15	2.80

GG Heatsink Compounds

Silicone (Z9)

Industry standard zinc oxide-filled silicone heatsink grease for most applications. Will not soften at elevated temperatures, dry out or harden. Meets MIL SPEC C-47113



Part No.	Mfr. P/N	Description	1	10	100
615304	10-8106	1 lb. can	\$30.49	\$28.37	\$24.88
615312	10-8108	6.5 gram tube	2.59	2.39	2.08
615321	10-8109	1 fl. oz. tube	8.29	7.70	6.75

*Heat Sink Compounds — Enter Web Code YBA

TECHSPRAY Heat Sink Compound 4-oz.

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.



Part No.	Mfr. Part No.	1	10
169252	1978DP	\$22.39	\$21.52

Soldering Tip Cleaner with Stand

156777:

- For cleaning soldering iron tips without the use of water and sponge
- Metal wool for cleaning
- Rubberized base for stability



Part No.	Description	1	10	50
156777	Tip cleaner & stand	\$5.49	\$4.95	\$4.49
160004	Metal wool replacement	2.79	2.49	2.29

TECHSPRAY No-Clean Desolder Braids

Meets all of the most stringent soldering standards for world-wide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.

- Length: 5'



Part No.	Description	1	10	100
139951	.030"W desolder braid	\$3.19	\$3.00	\$2.85
124126	.055"W desolder braid	3.25	2.90	2.74
124118	.075"W desolder braid	3.19	3.05	2.90

TECHSPRAY ProWick® Desolder Braids

Pure Rosin

Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.

- Length: 5'



Part No.	Mfr. Part No.	1	10	100
263695	1803-5F (0.075"W)	\$2.65	\$2.06	\$1.98
263599	1804-5F (0.098"W)	2.99	2.83	2.65

*Desolder Braids — Enter Web Code DAG

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux



Part No.	Description	1	10	100
41082	.079"W braid (5')	\$1.89	\$1.69	\$1.09
41100	.098"W braid (5')	1.99	1.79	1.19
153462	.120"W braid (5')	2.25	1.95	1.25

DATAK Plastic Pump Bottle

- Makes one pint of each solution



Part No.	Mfr. Part No.	1	10	50
158131	ER3	\$10.95	\$9.31	\$8.21

PANA VISE PV Jr. Vise

- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs.
- One-year warranty



Part No.	Description	1	10
134439	Jr. vise w/ mountable base	\$23.75	\$23.16

PANA VISE Vacuum Vise

- Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs.
- One-year warranty



Part No.	Mfr. Part No.	1	10
27131	M381	\$59.95	\$57.95

Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W
- Weight: 2.1 lbs.



Part No.	Description	1	10
127167	Clamp vise	\$21.95	\$19.95

*Vises — Enter Web Code TAD

*Web Code: ABD

Rosin Core Solder Rolls and Pocket Packs



Part No.	Manufacturer	% Composition				Dia. (in.)	Wt. (lbs.)	Pricing		
		Tin	Lead	Silver	Copper			1	10	50
668078	Jameco VP	99.3	—	—	0.7	0.04	0.6	\$12.95	\$11.95	\$10.95
668262	Jameco VP	96.3	—	3.2	0.5	0.04	0.6	25.95	23.95	21.95
668271	Jameco VP	96.5	—	3.5	—	0.04	0.6	33.95	31.95	29.95
668297	Jameco VP	96.3	—	3.2	0.5	0.04	1.1	41.75	41.07	40.58
1945858	Jameco VP	96.5	—	3.0	0.5	0.02	1.1	27.95	25.95	23.95
668318	Jameco VP	96.5	—	3.5	—	0.04	1.1	61.75	57.65	54.55
141786	Super	60	40	0	—	0.031	1.10	22.55	20.12	19.53
170457	Golden	99.3	—	—	0.7	0.031	0.06	1.89	1.79	1.59
32117	Kester	60	40	0	—	0.031	1.00	24.89	22.39	20.18
151474	Kester*	63	37	0	—	0.031	1.00	28.29	22.57	21.89

* Organic core

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



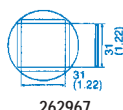
Hot Air SMD Rework Station with Digital Display

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temperature range: 100°C - 385°C (212°F - 725°F)
- 25W diaphragm pump • Adjustable air-flow
- Size: 7.4"W x 9.6"D x 5.0"H • Weight: 10.8 lbs.

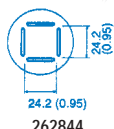
Includes: Precision 5-pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)

* Web Code: NAT

QUANTITY
SAVE



262967



262844



262941



Part No.	Mfr. Part No.	Description	1	5
262705	850D	Hot air SMD rework station with 4 focus hood tips	\$395.05	\$375.25
262810	A1135B	Focus hood tip, PLCC 17.5 x 17.5	34.59	25.95
262836	A1137B	Focus hood tip, PLCC 30 x 30	49.45	45.89
262967	A1138B	Focus hood tip, PLCC 30 x 30	49.45	45.89
262895	A1125B	Focus hood tip, QFP 10 x 10	34.59	25.94
262908	A1126B	Focus hood tip, QFP 14 x 14	34.95	26.21
262916	A1127B	Focus hood tip, QFP 17.5 x 17.5	34.59	25.95
262852	A1261B	Focus hood tip, QFP 20 x 20	49.45	36.95
262844	A1182B	Focus hood tip, BQFP 24 x 24	49.45	46.83
262801	A1129B	Focus hood tip, QFP 28 x 28	49.49	37.12
262887	A1265B	Focus hood tip, QFP 32 x 32	75.95	65.95
262932	A1258B	Focus hood tip, SOP 7.6 x 12.7	34.95	26.21
262941	A1260B	Focus hood tip, SOP 8.6 x 18	34.95	26.21
262975	A1259B	Focus hood tip, SOP 13 x 28	49.95	36.95

Soldering Accessories

PANAMISE Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



Part No.	Description	1	5	10
27060	Electronic center	\$81.15	\$73.05	\$70.62

Third Hand Tools

- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: 0.7 lbs.



681002

681002: With soldering holder and sponge

Part No.	Description	1	10	50
26690	Third hand	\$5.95	\$5.35	\$4.79
681002	Third hand	8.99	7.99	7.49

For complete selection of
3M products



* Web Code: GTC

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Workshop Chemicals

* Web Code: YAQ

- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs
- * Shipped via UPS ground to continental U.S. only



263530



139934



118033



263572



481764



263716

Envi-Ro-Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900	10 oz. aerosol w/ trigger	0.8	\$11.45	\$10.30
263530	15 oz. aerosol w/ trigger	0.8	12.99	12.35

Envi-Ro-Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934	10 oz. aerosol can	0.8	\$13.35	\$12.65

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041	10 oz. flux remover	0.8	\$10.85	\$10.50

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033	10 oz. contact cleaner	0.9	\$10.39	\$9.75

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572	1 pint bottle	1.1	\$10.45	\$9.99

No-Clean Flux Dispensing Pen

The resin and halide-free no-clean flux will leave no residues. It provides optimum wetting over a wide range of surfaces and will not damage commonly used plastics.

Part No.	Description	Wt. (lbs.)	1	5
481764	11.5 ml pen	0.1	\$6.79	\$6.49

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Links components
- Makes smooth jumpers
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716	4.89 ml pen	0.1	\$18.05	\$17.19



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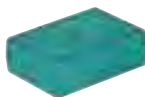


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Specialty Enclosures



A Series



C Series



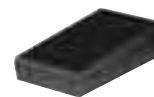
H Series



M Series



S Series



SL Series



R Series

A Series — with PCB Boss Mounts

- 4-piece design • Interchangeable end panel
- 4-insert areas for customized I-plates



Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	50
373456	A-42-BK	Black	None	7.12 x 5.00 x 1.62	\$14.45	\$11.25	\$10.50
373608	A-42-9V-BK	Black	1-9V	7.12 x 5.00 x 1.62	17.75	14.08	12.10

C Series — with Pinch-Fit for PCBs

- Simple 2-piece design • 2-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	50
675331	C-4-BK	Black	2.13 x 1.38 x 0.58	\$2.65	\$2.05	\$1.85
675382	C-12-BK	Black	3.75 x 2.40 x 1.00	4.19	3.45	2.58

H Series — Handheld with Built-in Battery Holder

- Ergonomic handheld design • 5-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Batt. Holder	Size (L" x W" x H")	1	10	50
374512	H-65-AA-BK	Black	2-AA	4.94 x 2.75 x 0.94	\$7.75	\$5.75	\$5.67
374635	H-65-9V-BK	Black	1-9V	4.94 x 2.75 x 0.94	7.59	6.29	6.09
675323	H-67-BK	Black	None	4.94 x 2.75 x 1.28	7.49	5.99	5.62
374942	H-67-9V-BK	Black	1-9V	4.94 x 2.75 x 1.28	7.79	6.83	6.26
374601	H-75-4AA-BK	Black	4-AA	7.20 x 3.65 x 1.20	12.55	9.97	9.36

M Series — Handheld with Built-in Battery Holder

- Streamlined handheld design
- 5-insert areas for customized I-plates

Part No.	Mfr. Part No.	Color	Size (L" x W" x H")	1	10	50
675438	M-6-BK	Black	4.15 x 2.40 x 0.85	\$7.79	\$6.10	\$5.72

Please Note: Images used are representative. Color and shapes may vary by model.

**Bug Boxes**

- Anti-static plastic
- Fits in bug cage (P/N 11332, below)
- Box size: 4.9"L x 3.3"W x 0.6"H
- Color: blue
- P/N 11341: stores sixty 8-pin or thirty 16-pin DIPs
- P/N 11375: designed to store all types of components

Part No.	Description	1	10	100
11341	30 compartments 11375	\$5.95	\$5.49	\$4.85
11375	3 compartment/3 vertical & 3 horizontal dividers	4.29	3.95	3.65

**Bug Tray**

- Fits in bug cage (P/N 11332, below)
- 10 compartments
- 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	Color	1	10	100
11800	Divided bug tray	Blue	\$6.39	\$5.75	\$4.85

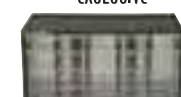
**Bug Cage**

- Holds bug boxes or trays
- Modular and interlocking
- Case size: 5.0"L x 3.9"W x 5.1"H

Part No.	Description	Color	1	10	100
11332	Bug cage	Blue	\$8.95	\$8.02	\$7.22



Boxes/Trays not included

**Component Cabinet**

319600



Drawer (319601) Divider (319611)

- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

319601: 5.5"L x 2.7"W x 1.5"H; 319611: 2.5"W x 1.2"H

Includes: 20 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

☉ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10	50
319600	Component cabinet	\$16.95	\$15.25	\$13.95
319601	Drawer for cabinet ☉ .....	.69	.49	.39
319611	Divider for cabinet	.57	.51	.46

**Plastic FlipTop Boxes**

- Clear plastic box with a clear plastic lid and removable dividers
- 100256: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)
- 148902: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)

Part No.	Description	1	10	100
100256	18 compartments	\$2.29	\$1.99	\$1.75
148902	12 compartments	3.99	3.59	3.19



100256

**Plastic FlipTop Case for SMDs**

- 128 compartments
- Color: gray
- 8 rows x 16 columns grid
- FlipTop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 37
- Size: 11.0"L x 8.3"W x 1.7"Thick

Includes: Labels for each bin

Part No.	Description	1	10
164267	SMD flipTop case	\$55.95	\$49.95

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

JAMECO ValuePro

The prototype builder boards on pg 154 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 154 (P/N 106551).
Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

Enclosures

See pages 86 - 88 for Knobs and Hardware

JAMECO
EXCLUSIVE



*All boards sold separately, see pg 154; multiple boards shown

ABS Plastic Enclosures

Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855	3.1" x 2.0" x 0.9"	\$3.25	\$2.95	\$2.65	\$2.39
18914	H2853	4.9" x 2.5" x 1.5"	3.95	3.55	3.19	2.75
18893	H2851	6.0" x 3.5" x 1.9"	4.79	4.31	3.88	3.49
18906	H2852	7.5" x 4.3" x 2.3"	7.25	6.51	5.86	4.39



Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base



Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	\$5.95	\$5.25	\$4.49	\$3.95
208911	B2743A	5.9" x 5.3" x 3.0"	9.09	8.20	7.40	6.71
208929	B2744A	7.3" x 6.3" x 2.8"	11.19	9.59	7.69	6.01
209350	B2746A	6.3" x 7.8" x 2.5"	11.95	9.95	8.95	7.25
209358	B2747A	7.5" x 9.8" x 3.2"	19.59	17.65	13.35	10.10

Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	\$5.95	\$5.39	\$4.85	\$4.35
11965	B5004	4.7" x 2.4" x 1.6"	8.99	8.10	7.29	6.56
11973	B5006	7.5" x 4.3" x 2.4"	16.75	15.08	13.56	12.21



Aluminum Enclosures

Put them in an economical aluminum enclosure. The enclosure comes in two pieces which slide together.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11870	B2300	4.0" x 2.0" x 2.8"	\$5.49	\$4.49	\$3.95	\$2.95
11886	B2320	5.0" x 4.0" x 3.0"	8.65	7.78	6.23	4.67

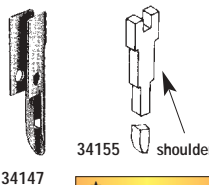


VECTOR
ELECTRONIC COMPANY

Wire Wrap and Push-In Terminals

For .042" Diameter Holes

- Material: copper alloy
- Prebagged 100 pcs.
- 34147: Push-In Micro-Klip Terminals
- Overall length: .36"
- Post size: .032" x .045"
- 34155: Miniwrap Wiring Terminals
- Shoulder: .045"
- Overall length: .69"
- Post size: .025" Sq.
- Two-prong with square tail for wire wrapping



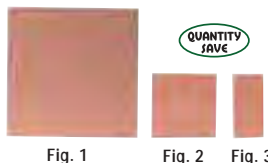
Part No.	Mfr. Part No.	Height Above .062" Board	Length Below .062" Board	100 pc. units	
				1	10
34147	T421	.200	.097	\$11.25	\$9.85
34155	T44	.065	.530	11.45	9.80

*Web Code: XCE

JAMECO
ValuePro

Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.
• 1.6mm thick



Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single sided	3	3.0 x 6.0	\$3.49	\$3.14	\$2.35
169288	PCBS6X6	Single sided	2	6.0 x 6.0	4.95	4.46	3.56
169296	PCBS12X12	Single sided	1	12.0 x 12.0	13.49	12.15	10.95
169309	PCBD3X6	Double sided	3	3.0 x 6.0	3.69	3.30	2.99
169317	PCBD6X6	Double sided	2	6.0 x 6.0	6.95	6.45	5.95
169325	PCBD12X12	Double sided	1	12.0 x 12.0	18.95	17.19	15.35

DATA

Pre-Sensitized Circuit Boards & Developer

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"T

156751

Includes: Instructions

Part No.	Description	1	10	25
156751	Single sided	\$5.19	\$4.75	\$4.19
156734	4 oz. pos. developer*	16.05	14.89	13.75



GG

Positive Pre-Sensitized Circuit Boards

1 oz. copper on 1/16" epoxy glass board, UL94V-0 rated. High quality positive pre-sensitized board is double protected from light and handling damage. The peel-off coating protects the board while handling or cutting prior to exposure.



Part No.	Mfr. Part No.	Description	Size	1	10	50
616251	21-334	Single-sided	4" x 6"	\$6.29	\$5.35	\$4.99
616260	21-336	Single-sided	6" x 6"	8.35	7.25	6.90
616307	21-353	Double-sided	6" x 9"	13.99	13.32	12.65

GG

Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

Part No.	Mfr. Part No.	Size	1	10	50
616471	22-250	3" x 5" x 1/16"	\$2.59	\$2.39	\$2.10
616489	22-260	4" x 6" x 1/16"	3.75	3.49	2.99
616497	22-261	6" x 6" x 1/16"	4.99	4.75	4.25
616500	22-263	6" x 9" x 1/16"	5.79	5.49	4.99
616518	22-264	8" x 10" x 1/16"	10.65	9.98	8.81
616534	22-268	11" x 14" x 1/16"	19.95	17.95	15.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

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JAMECO ValuePro General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

See PCB enclosures on pg 153, and mounting hardware (recommend P/N 106551) below

★ Web Code: LAG

Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (See page 153)	Circuit Pattern	Hole Pads	# Holes x Dia. †	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105100	2855PCB	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	\$5.25	\$4.73	\$4.25	\$3.83
105102	5002PCB	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.25	4.95	3.95
105129	2853PCB	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	8.45	7.61	6.76	6.34
105111	2300PCB	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	8.59	7.59	5.72	4.29
263207	PCB-463	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	9.85	8.90	7.99	7.20
28177	PCB1	2.42 x 4.10	18914	C	Plated through	674 x .040"	None	None	4 x .120"	.04	6.45	5.95	4.29	3.29
263215	PCB-858	2.50 x 4.50	18914	D	Plated through	640 x .042"	None	None	4 x .120"	.05	9.65	8.55	6.95	5.95
105153	2851PCB	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	10.45	9.55	7.95	6.95
263223	PCB-69	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	10.75	9.67	7.74	5.81
105137	2320PCB	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	10.95	9.85	8.75	7.65
105162	2852PCB	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	12.77	11.87
206587	2746APCB	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	11.95	10.95	9.95	8.95
21435	JE401(8001)	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.79	17.78	13.34
21452	JE405(8003)	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	17.95	15.95	12.95	10.95
206578	2743APCB	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.25	6.25	5.25	4.49
105180	2505PCB	5.00 x 6.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	15.95	13.95	11.95	10.95
28194	PCB3	5.00 x 8.00	18877	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	20.95	19.94	18.19
21478	JE407(8006)	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	42.95	38.95	28.95	20.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	12.95	11.95	10.95	8.95
105187	2507PCB	6.10 x 8.80	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	19.95	17.95	15.95	13.95
263232	PCB-7038	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	50.36	40.29	30.22

* PCB 8-bit

VECTOR ELECTRONIC COMPANY

Vector Prototyping Boards

43140	64P44XXXP	4.50 x 6.50	18869	A	Drilled only	2860 x .042"	None	None	None	.09	\$7.75	\$7.05	\$6.99	\$6.91
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.65	11.15	10.95	10.85
37612	169P44XXXP	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	15.65	14.99	14.40	13.92
37621	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	28.99	27.56	26.73	25.93
106551	20 pieces: PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards (manufacturer may vary)										2.85	2.61	2.30	2.14

PCB material: phenolic † All 0.042" diameter hole boards use terminals P/Ns 34147 and 34155 (pg 153), P/N 34163 (see web)

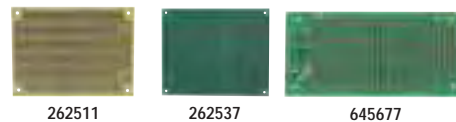
PT Series Prototyping Boards

★ Web Code: WCG

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc.

- 4 power buses that connect to a power jack (recommended P/Ns 101178 & 101187, pg 56)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	\$19.95	\$19.00	\$18.65
262511	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	38.95	37.95	36.95



GG

Prototype Boards

Experimenter's Phenolic Prototype Board

Excellent for use in prototype building, experimenting, hobby or science projects and kit building. 0.03" punched holes on 0.150" centers.

- Single land patt.
- Size: 6.75"L x 3.38"W x 1/16"Th

Part No.	Mfr. Part No.	1	10	50
616673	22-512	\$6.55	\$5.90	\$5.30

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- 0.035" diameter holes
- Silver-plated land patterns
- 0.1" centers
- Predetermined short tracks for multi-IC work
- Size: 3.5"W x 6"L x 1/16"Th

Part No.	Mfr. Part No.	1	10	50
616622	22-502	\$7.99	\$6.99	\$6.49



616673



616622

Perforated Bare Phenolic Prototype Board

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

- 0.093" dia. holes, 0.265" spacing
- Size: 6.0"L x 4.5"W x 1/16"Th

Part No.	Mfr. Part No.	1	10	50
616690	22-516	\$5.99	\$5.49	\$4.99



616690

DATA

Dry Concentrated Etchant

- Makes one pint of etch solution

Part No.	Mfr. Part No.	1	10	25
70201	ER3	\$4.95	\$4.55	\$3.95

* Shipped via UPS ground - Available continental U.S. only

More Product Information

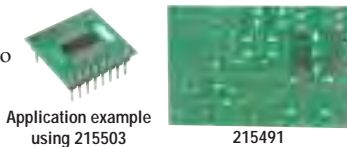
Compare products online to quickly find the products you want with real time product availability and specifications. Purchasing products has never been easier.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

BELLIN DYNAMIC SYSTEMS, INC. Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.



- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 60)
- Size: 7.6"L x 5.0"W • Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications

Small SMT

Part No.	Mfr. P/N	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPK & more	\$45.95	\$41.35
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	51.89	46.69

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	\$45.95	\$41.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.49	41.10
227328	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18, 20 to DIP .300"	57.85	43.39
227352	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18, 20 to DIP .300"	45.49	41.10
227361	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	33.99

Fine Pitch Dual Row

215503	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	\$45.95	\$41.35
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
681141	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	45.05	33.75

Quad

215511	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100	\$45.95	\$41.35
681150	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/TOFP/OFN/MLF/MLP	45.95	34.46

PLCC Prototype Adapter

- PCB construction • Tin-plated PLCC connector
- Gold-plated round pins
- PLCC socket slotted for PLCC chip remover
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10

Part No.	Pins	Size (L x W)	1	10	100
73542	44	2.3" x 1.6"	\$14.19	\$12.80	\$11.50
73568	84	4.3" x 1.9"	23.95	21.59	19.45

microEngineering Labs PICBasic Pro Compiler

- Compatible w/most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I²C instructions to access external serial EEPROMs
- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Bit, byte, word arrays • Real if...Then...Else...End if
- Hierarchical expression handling • Built-in LCD support
- Interrupts in BASIC & assembler • BASIC Stamp I & II library
- MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers

Part No.	Description	1	10
150543	PICBasic Pro compiler	\$249.95	\$224.95



Quick and Easy Search
Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

SmartBOARD Prototyping Boards

The only prototyping system that allows one to work on one circuit block at a time, test the blocks individually, and then connect the blocks together. This is why the system is called "Electronic Circuit Building Blocks."



*Web Code: ADS

SO/SOP Boards

Part No.	Mfr. Part No.	Description	1	10
1537635	202-004-01	4-56-pin SOIC w/ 0.05" pitch, 0603 and thru hole components, 12 ground holes	\$10.99	\$9.99

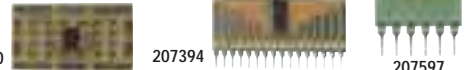
QFP Board

1537660	202-0011-01	32-100 pins QFP, TQFP, PQFP w/ 0.5mm pitch & 0603 discrete, 6 ground holes	\$10.99	\$9.99
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Surfboards®

Mini Breadboards for Surface Mount Devices.



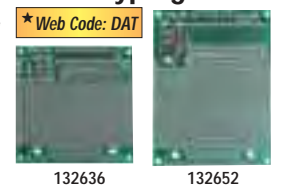
Part No.	Mfr. Part No.	Description	1	10
207360	9081	(For 8-pin SOIC)	\$1.55	\$1.07
207378	9082	(For 8-pin SOIC)	3.95	3.77
207394	9163	(For 14/16-pin SOIC; 0.1" pin spacing; 0.65"H)	5.89	4.22

Application Specific Adapter

Part No.	Mfr. Part No.	Accepted Devices	Pins	1	10
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	\$2.05	\$1.38

microEngineering Labs "PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend
- Solder mask on both sides makes soldering easy



Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18, 18L: All 18-pin PICs including PIC16C52, 54, 56, 58, 55A, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16CE623, 624, 625, 16F627, 628, 83 and 84

Part No.	Description	Size (L" x W")	1	10
132644	PICProto 18	3.0 x 1.5	\$9.95	\$8.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242 and 252

132636	PICProto 3	3.0 x 3.0	\$14.95	\$12.45
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PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

132652	PICProto 64	4.0 x 3.0	\$17.95	\$12.95
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microEngineering Labs Experimenter's Module Board

Provides an assembled test bed containing most of the circuitry commonly used with PICmicro microcontrollers. Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer and RC servo controller.



- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P (P/N 176882, pg 3)
- Reset button • 16 switch keypad • 2 RC servo connectors
- LED bargraph • RS-232 interface • 3 potentiometers • Speaker
- 2 lines x 20 characters LCD module • Size: 5.5" x 5.6" • One-year warranty
- Socket for I²C & SPI serial EEPROM, RS-485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector • Prototyping area for additional circuit

Requires: AC adapter (below)

Part No.	Description	1	10
169113	LAB-X1 experimenter board	\$199.95	\$189.95
176882	PIC16F877-20/P microcontroller (pg 3)	9.29	8.05
127976	AC adapter (details on pg 116)	5.99	5.39

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

microEngineering Labs USB PIC Programmer

More than 300 PIC microcontrollers are supported and support for future devices can be added via FLAS firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.

- Dual color indicator shows ready/busy states
- Full featured, command-line operation
- Fast full speed USB data transfer
- Standard USB cable (Type A male to Type B male)
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- In-Circuit Serial Programming (ICSP) connector for interface to project board
- Compatible with microchip HEX format files & all programming adapters
- HID interface

Part No.	Description	1	10
1942382	USB PIC programmer	\$89.95	\$85.45
1942606	840Z ZIF adapter	39.95	37.95

*MicroEngineering Labs Programmers Available Online — Enter Web Code: EAT

microEngineering Labs EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62X, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 3.

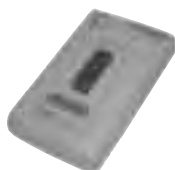
- Simple installation with parallel port (printer) interface
 - Command line operation for automated, non-interactive programming
- Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679	EPIC Plus PICmicro programmer	\$59.99	\$53.99
136397	8/18/20-pin ZIF adapter	34.95	31.95
132610	40/28-pin ZIF adapter	34.95	31.95
162317	AC wall adapter (16VDC/500mA, details on pg 117)	10.49	9.18
67257	6' DB25 cable (details on pg 49)	8.55	7.65

XELTEK

Superpro Series Universal Programmers

Superpro 3000U



Superpro 5000U



Superpro 9000U



Stand-Alone Programmers for Engineering and Volume Production

Two programmers in one, a double value: stand-alone mode, PC mode ultra-high speed universal programmer, built-in 144-pin-drivers 48,000+ device support and growing; the largest in the industry! 600+ socket adapters to support all ranges of package types.

Part No.	Description	1	5
231221	SuperPro-3000U USB universal programmer	\$1,137.99	\$1,081.50
2076640	SuperPro-5000U USB universal programmer	1,992.99	1,989.99
692490	SuperPro-9000U 4GANG programmer	3,499.95	3,399.95



Superpro 5004GP
4 Gang Programmer

Ultra-high-speed Universal
Gang Programmer with
144 Universal pin drivers

More than 40,000 devices are supported
Ultra fast programming speed:
Programs and verifies 1GB NAND flash in 108 seconds
Programs devices with Vcc as low as 1.2V
4 independent programming modules
operating concurrently

Part No.	Description	Price
2076623	Superpro 5004GP gang programmer	\$6,293.99

Superpro 580U and 280U
Universal Programmers

USB Interfaced
Ultra-High Speed 48-pin
Universal Device Programmer

More than 35,000/25,000
devices are supported
Ultra fast programming times:
Programs + verif INTEL 28F320W18, 32Mb less than 13.5s
Support in system programming

Part No.	Description	Price
692457	Superpro 280U programmer	\$589.95
692449	Superpro 580U programmer	779.15



*Universal Programmers — Enter Web Code SUP

Superpro Z Universal Programmer

Entry level product with amazing price

40-pin low cost universal programmer
3,500+ devices are supported
Self diagnostic test at startup
Built-in overcurrent protection
Connect to PC Via printed port

Support Windows® 98/95/2000/NT/ME/XP and Vista



Part No.	Description	Price
231183	Superpro Z programmer	\$293.05

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.



Solderless Breadboards



The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (pg 158).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty

Attention Educators! Buy jumper wire below in bulk and SAVE!
 (see Solid Hook-up Wire on page 47)



20669



20758



20812

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Inserted with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body – CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, below)
- Some models feature heavy-duty aluminum backings (20758, 136901, 20812)

***Web Code: HAC**

Part No.	Cross Ref. No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing			
									1	2	10	100
20601	JE21	1	2	400	0	3.3 x 2.1	3.3 x 2.2	0.13	\$5.75	\$5.25	\$4.75	\$4.19
20669	JE22	1	0	630	0	6.5 x 1.4	6.5 x 1.35	0.20	7.29	6.25	5.95	4.95
194299	JE37	1	2	640	0	6.9 x 2.4	6.9 x 2.4	0.25	11.79	10.59	8.49	6.99
20723	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	9.99	9.00	8.00	7.35
194272	JE34	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	18.89	17.00	14.10	13.10
20758	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	13.75	12.35	11.10	10.00
136901	WBU504	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	26.95	22.95	20.95	18.95
20774	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	20.95	18.95	16.95	14.95
20791	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	27.65	24.69	22.35	19.99
20812	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	33.79	30.45	27.49	24.60

† WBU5 and JE series do not interconnect

Breadboard Pin to Breadboard Pin Test Leads

Part No.	Description	1	10	25
421315	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	\$13.35	\$12.05	\$10.79

Powered Project Breadboards

- Solderless breadboard with 2420 tie points
 - Power switch with light
 - Outputs are short-circuit protected
- Includes:** Power cord
- 136259:**
- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
 - Edge plate for non-DIP size components
 - Input power: 120/220VAC @ 50-60Hz (switchable)
 - Replacement fuse: P/N 103908, pg 42
 - One-year warranty
 - Breadboard size: 7.4"L x 6.8"W
 - Back panel has ground terminal
- 1537264:**
- Fixed power: +5V @ 1A; variable power: 0 to ±16VDC @ 300mA
 - Front panel has color coded terminals for DC output power supply, adjustable knobs & ground terminal
 - Input voltage: 110/220VAC @ 50-60Hz switchable
 - Fuse protection
 - Breadboard size: 5.8"W x 6.5"L
- 1942163:**
- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
 - Triple output power supply: fixed 5VDC @ 1A; 0 to +16VDC @ 500mA (adjustable); 0 to -16VDC @ 500mA (adjustable)
 - Grounded case
 - Fuse protection
 - Overload protection
 - Lighted power switch

***Web Code: XAT**



136259



1942163

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- Pre-stripped/preformed 22 AWG solid wire jumpers
- Clear plastic durable case
- 350 assorted lengths in 13 colors

***Web Code: LAS**

Part No.	Description	1	10	50	100
19290	Wire jumper kit	\$16.95	\$15.25	\$13.75	\$12.45
20080	Refill for 19290	11.65	10.48	9.43	8.59

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

***Web Code: LAS**

Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	JW50	50/1.97	\$4.69	\$4.10	\$3.45
126342	JW100	100/3.94	5.95	5.49	4.49
126325	JW200	200/7.87	5.99	5.49	4.99



Jameco's Clearance Center

Save up to 50% on over a hundred clearance items by visiting www.Jameco.com/Save.

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:

+5VDC @ 1A;
-5V @ 300mA fixed;
0 to +15VDC @ 500mA variable;
0 to -15VDC @ 300mA variable;
12-6-0-6-12 tapped VAC,
300mA fixed

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses • Weight: 5.5 lbs.
- Just plug in & start to use • Compact & lightweight
- For both digital and analog circuits • Color: beige
- Compatible with test leads P/N 77842, pg 141
- Size: 7.4"W x 5.5"D x 2.6"H • One-year warranty

Part No.	Description	1	10	25
77682	Power supply	\$166.95	\$159.45	\$146.95



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D • Wt: 0.7 lbs. 211668



- 211668: 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments



- 211676: 5% capacitance substitution from 100pF to 11.1111μF
- 5 decade ranges of capacitance

211676

Part No.	Description	1	10
211668	Resistance	\$99.95	\$94.89
211676	Capacitance	129.95	123.95

Digital Design Lab

- 1580 tie points • Fixed power supply: ±5VDC @ 1.0A • DCV digital multimeter
- Two 7-segment displays (digit height: 0.3") • One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short circuit protection

Function Generator (5 ranges)

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine wave output: 0-8 Vp-p variable
- Triangle wave output: 6Vp-p fixed
- Square wave output: ±5V fixed

Includes: Power cord and manual



Our most popular digital lab!

International 115/220VAC Switchable

★ Web Code: LAJ

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
75839	Digital lab	10.6 x 13.3 x 5.0	8.1	\$289.95	\$275.95	\$259.95

Digital/Analog Design Labs

Solderless Breadboard

- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA (P/N 136267) 0 to +15V & 0 to -15V @ 1A (P/N 1919211)

Function Generator

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine & square wave output: 0-8 Vpp variable
- Triangle wave output: 0-6 Vpp variable
- TTL mode output: 5Vpp (P/N 1919211 only)

Other features

- 2.5" dia. 8Ω, 25W speaker
- 2 pulse switches (2 sets of outputs: A, A, B, B)
- Two 7-segment LED displays (digit height: 0.3")
- 2 banana sockets, 2 BNC jacks
- 136267: • 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 8 data switches
- 8-bit red LEDs with separate input terminals
- One-year warranty
- 1919211: • 16 bit data switches w/ corresponding output points
- 16 red LED's w/ separate input terminals

Includes: Power cord and manual (both P/Ns 136267 & 1919211); jumper wires (P/N 1919211 only)

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136267	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	\$445.95	\$379.06	\$334.46
1919211	Digital/analog lab	13.0" x 10.5" x 3.5"	9.1	459.95	419.95	369.95



136267

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

Demonstrate your skills by solving this electronic challenge!

THE JAMECO PUZZLER

This circuit drives a near-infrared laser diode with a stream of fast rising 20amp pulses with a duration of about 50 nanoseconds.

R1 controls the pulse rate
C1 controls the pulse duration

Need a Hint...
jameco.com/Puzzler

Applications:
Invisible intrusion alarm, atmospheric transmission, etc.

BY: FORREST M. MIMS III

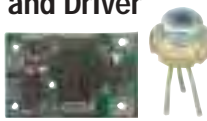
* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 161.

Laser Diode and Driver

182932: Laser Diode

- Optical output power: 5mW maximum
- Operating current: 30mA
- 5.6mm packaging size
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- Beam divergence of 11° from center line max.



Class IIIa Laser Product

161737: Laser driver w/ regulator

- Input voltage: 2.6-6VDC
- Input current: 40mA

Part No.	Description	1	10	25
182932	650nm laser diode ...	\$14.95	\$12.72	\$9.54
161737	Laser driver	8.49	7.22	6.37

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia
- One-year warranty



Class IIIa Laser Product

Part No.	Description	1	10
310519	Laser module, brass	\$44.95	\$39.95

Green Laser Pointer



Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night.

- Output wavelength: 532nm
- Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	1	10
223731	Green laser pointer	\$99.95	\$89.95

***Lasers — Enter Web Code LAZ**

650nm Line and Dot Laser Diodes

143845/173243:

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

***Web Code: LAZ**



Class IIIa Laser Product

143845: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60°

173243: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837: Module regulated power supply

- Output: 5VDC @ 100mA
- Short-circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



143853: Laser module mount

- X-Y tilt, θ movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845	Line laser diode module	\$114.95	\$103.95
173243	Cross hair laser diode mod	108.99	99.99
143837	Regulated power supply	20.95	17.95
143853	Laser diode module mount	59.95	46.95



75W Laser Diode

- Nanostack pulsed laser diode
- Nanostack laser technology including multiple epitaxially stacked emitters
- Applications: range finding, security/surveillance, illumination/ignition, test and measurement systems
- Peak power: 75W
- Laser aperture: 200µm x 10µm
- Number of emitters: 3
- Wavelength: 905nm



Part No.	Mfr. Part No.	1	10	100
1623584	SPL PL90-3	\$39.95	\$37.55	\$33.95

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD

***Web Code: EBE**

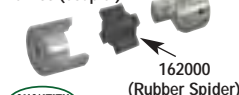


Part No.	Description	1	10	100
138288	.250" ID sleeve coupler	\$4.49	\$4.09	\$3.90

Spider Couplers

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually

162288 (Coupler)



***Web Code: EBE**

Part No.	Description	1	10	50
162288	.125" (3.18 mm) ID hub	\$1.49	\$1.28	\$1.19
161998	.197" (5.00 mm) ID hub	1.19	1.02	.92
162270	.250" (6.35 mm) ID hub	1.49	1.29	.96
162000	Rubber spider	1.55	1.38	1.26

MONDO•TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

How it works... Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

- Length: 1 meter
- Includes:** Instructions

***Web Code: WAU**

Part No.	Mfr. P/N	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
								1	10
141321	100LT	100	150	180	28	150	33	\$17.95	\$15.95
141874	150LT	150	50	400	62	330	20	17.95	16.95
160055	375LT	375	8	2750	393	2000	4	22.95	19.19

* Multiply by 0.0098 to get force in Newtons

** Cycles per minute, in still air, at 20° Centigrade

PARALLAX Boe-Bot Full Kits

Now with Robotics text v.2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The board of education and basic stamp may be removed to be used as your platform for the other stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4 AA batteries (P/N 198707 not included).



***Web Code: MBS**

Part No.	Mfr. Part No.	1	10
282933	28132 (serial)	\$158.95	\$146.95
387997	28832 (USB)	148.45	147.09

PARALLAX Stamp Works Kit Plus

This all-in-one kit includes a well-written collection of 35 experiments that will teach you first class BASIC stamp programming.

- Weight: 10 lbs.

Includes: Stamp Works experiments and Source Code book, Basic Stamp Syntax and Reference Manual, development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N, LM358N, DS1620, (2) 74HC595CN, 24LC32A serial EEPROM, MC14489 serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Mfr. Part No.	1	10
661116	27297 kit	\$276.19	\$262.35

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 161.](#)



Parallax BASIC Stamps and Propeller chips are all about the projects you can build! Parallax takes the headache out of embedded programming with free educational tutorials and active web forums. And Jameco offers the sensors, relays, motors and passives you need to put it all together for a one-stop shopping experience.

First embedded project or need to build a prototype? The popular BS2-IC module (#130892 page 5) is programmed in BASIC, a language that reads the same way it runs. The BASIC Stamp series is supported with robotic kits, educational development boards and free PDF tutorials.

For production, the Parallax Propeller has eight processors that run concurrently, sharing memory and RAM. Programmed in a simple language called SPIN, these processors can interface directly with displays and monitors concurrently with sensors and relays. Propeller chips have the same project-oriented ease of use and at low cost for production purposes. Propellers are shown below.

PARALLAX Propeller Professional Development Board

The Propeller Professional Development Board (PPDB) is a high-quality, fully-integrated development platform for the Propeller microcontroller. A wide variety of typical I/O (LEDs, buttons, etc.) devices and circuitry are built into PPDB, providing the developer with an ideal platform for rapid Propeller project development.

- 40-pin DIP socket for P8X32A-D40 Propeller microcontroller
- 6 blue 16-segment LED displays (5V and 3.3V compatible) • 5MHz crystal
- 16 blue discrete LEDs (5V and 3.3V compatible)
- L293D high current drivers for motors, solenoids, etc.
- 8 active-low pushbutton switches and DIP switches w/ 3.3V pull-ups
- 8 servo headers with selectable on-board/external power source
- DS1302 real time clock with battery back up/charging capability
- MAX4411 headphone amplifier with 1/8" stereo phone jack
- Two PS/2 ports with 5V power and 3.3V pull-ups on clock/data lines
- Ground terminal for oscilloscope ground clip
- Power requirements: 7-12VDC (12VDC @ 59mA)

- 24LC256 32K EEPROM
- Built-in USB programming interface
- Two 10K potentiometers
- 5V and 3.3V voltage regulators
- HDDB-15 connector for VGA monitor
- MAX3232E RS-232 DCE interface

Part No.	Mfr. Part No.	Size (W" x H" x D")	Price
2007126	32111	9.0 x 5.25 x 0.75	\$169.95



PARALLAX Propeller Microprocessor Chips

Introducing Parallax's own all-custom silicon, designed at the transistor level by schematic! This propeller module is a multi-processing chip with shared memory and a built-in interpreter for programming in a high-level object-oriented language, called Spin™. With the set of pre-built Parallax "objects" for video, mice, keyboards, NTSC/VGA displays, LCDs, stepper motors and sensors your application is a matter of high-level integration with Propellers chips. The Propeller chips are designed for high-speed embedded processing, while maintaining low power, low current consumption and a small physical footprint. Connecting the Propeller module to your computer's serial or USB port is simple and the Propeller module can run on its own with a power supply, internal clock and uses RAM for code storage. You can even add an external EEPROM for non-volatile code storage.

- Global RAM/ROM - 64KB; 32K RAM/32K ROM
- Processors (cogs): 8
- Current source/sink per I/O: 50mA
- I/O pins: 32 (simultaneously addressable by all 8 cogs)
- Power requirements 3.3VDC
- System clock speed = DC to 80MHz.
- Clock modes:
 - (a) external crystal 4-8MHz (16 x PLL);
 - (b) internal oscillator ~ 12MHz or ~ 20kHz;
 - (c) direct drive



2007134



2007142



2007151

Part No.	Mfr. Part No.	Package	Price
2007134	P8X32A-D40	DIP-40	\$12.89
2007142	P8X32A-M44	QFN-44	12.89
2007151	P8X32A-Q44	LQFP-44	12.89

* All Parallax Products — Enter Web Code PAR

PARALLAX

Propeller USB Proto Board

The Propeller USB Proto board has all the features of the Propeller Proto Board plus the USB programming interface on board for those projects which need USB interfacing in their applications.

- P8X32A-Q44 propeller chip
- Three-position power switch
- LM1086 5V and 3.3V regulators
- Access to all 32 I/O points
- 64kB EEPROM for program data and storage
- Large prototyping area with unplated row of holes along perimeter
- Removable 5MHz crystal
- Programming interface included on board
- Power requirements: 6-9VDC @ 300mA to 1.5A



Part No.	Mfr. Part No.	Size (L" x W")	Price
2007118	32812	4.0 x 3.0	\$39.89

PARALLAX Propeller Starter Kit

This starter kit includes what you need to get started with the Propeller microcontroller. Kit includes demo board, manual, software on CD and a USB cable. The Propeller Demo Board includes a built-in P8X32A-Q44 MCU, EEPROM and 5MHz crystal pre-wired to connectors for interfacing to devices such as a mouse, keyboard, TV or VGA monitor and speakers. This is all configured for immediate use by many objects from the Propeller Object Library (included). In minutes you can see some of the impressive tasks the Propeller can perform.

Part No.	Mfr. Part No.	Price
2007097	32300	\$99.89



PARALLAX Propeller Education Kit

This complete kit has everything you'll need to get started with the Propeller microcontroller and educational labs from Parallax. All you need is a 9V battery (P/N 198731). This kit features breadboard-friendly versions of the Propeller chip, EEPROM and other core components making it easy and inexpensive for students to replace parts as needed. Visit www.parallax.com to download free Propeller Education Lessons, Labs and upgrades.

Includes: Propeller 40-pin DIP microcontroller plus electronic components and connectors for a fully functional system, USB to serial programming and communications tool, kit project parts, interconnecting breadboards.

Part No.	Mfr. Part No.	Price
2007100	32305	\$99.89



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- Credit Department (credit@jameco.com)
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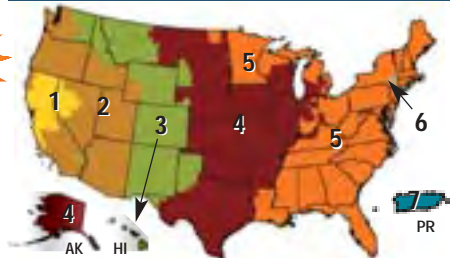
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Jameco obtains all RoHS compliance status information from its suppliers solely and does not verify or confirm such status. Products are coded with the following symbols throughout the catalog:

- RoHS compliant product
- ⊕ Available in both RoHS and non-RoHS

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)

- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days

Orders received Mon.-Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following business day. Drop ship items require 1-2 additional days to ship. If we are unable to fill your order on the day received, we will send you a gift certificate worth \$5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval, backordered items or drop ship items.

Options and Rates*

Shipping delivery times are based on working days.



Commercial Destination	First 2 lbs.	Additional lb.
Ground	\$7.50	\$0.50
3-Day	\$10.50	\$1.50
2-Day	\$13.25	\$2.40
Next Day AM	\$30.00	\$3.25
Next Day PM	\$25.00	\$2.75
Residential Destination	First 2 lbs.	Additional lb.
Ground	\$8.25	\$0.80
3-Day	\$11.75	\$1.50
2-Day	\$14.75	\$2.40
Next Day AM	\$32.00	\$3.25
Next Day PM	\$27.00	\$2.75

Priority Mail (USPS)

\$8.60 for 1st lb.; \$3.45 for each additional lb. Order must be placed before 6:00 p.m. Eastern Standard Time to ship same day. Sorry we are unable to ship products mailed from an alternate warehouse via U.S.P.S.

Packaging Weight

For domestic orders, exact package weight will be measured at shipment and separately billed.

* The above rates apply to single box shipments through UPS that are less than 50 lbs. Please call for shipping quote on packages greater than 50 lbs. or for other carriers. Jameco reserves the right to rebill shipping surcharges for customer misaddressed packages.

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